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WIELDING THE VIRTUAL GAVEL—DOD MOVES FORWARD
WITH REVERSE AUCTIONS

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# Table of Contents

I. Introduction ................................................................................................................. 1

II. Reverse Auction Background ..................................................................................... 2  
   A. History of Reverse Auctions .................................................................................. 2  
   B. How Reverse Auctions Work ................................................................................ 5  
   C. The Federal Government Experience .................................................................... 7  
      1. General overview ............................................................................................. 7  
      2. Service-specific perspectives .......................................................................... 11  
         a. The Navy sets sail ....................................................................................... 11  
         b. An Army for everyone .............................................................................. 12  
         c. Users’ choice in the Air Force ................................................................... 13  

III. Legal Framework ...................................................................................................... 15  
   A. Are Reverse Auctions Legal? ............................................................................. 15  
   B. Existing Guidance ............................................................................................... 24  

IV. Difficulties and Challenges ....................................................................................... 25  
   A. Industry’s Distrust of, Unfamiliarity with and Plain Dislike for the Process ......... 26  
   B. Fear That Bidding Will Drive Prices so Low That They Eradicate Any Profit . . . 28  
   C. Not Doing Your Homework Means a Failing Grade .......................................... 33  
   D. “I’m sorry, Dave, I’m afraid I can’t do that,” or the Role of the Computer ............ 37  
      1. Technology failures ....................................................................................... 37  
      2. The cost of doing business ............................................................................ 38  
      3. Whose line is it, anyway? ............................................................................. 39  
   E. When the Best Price Is Not the Best Deal ............................................................ 42  
   F. Not a Perfect Match for Everything ................................................................... 46  
   G. Mom and Pop and Farmer Bob in Cyberspace .................................................... 50  
   I. But What About Everything Else? ....................................................................... 53  

V. Conclusions and Recommendations .......................................................................... 55  
   A. Where Do We Go From Here? ........................................................................... 56  
   B. Less is More When It Comes to Regulation ......................................................... 58  
      1. Learn by doing .............................................................................................. 58  
      2. The question of legality ................................................................................. 62  
   C. Still, Nobody’s Perfect ....................................................................................... 64  
      1. Our bids are sealed ....................................................................................... 64  
      2. Just the facts, ma’am, just the facts .............................................................. 66  
      3. Sign on the dotted line ............................................................................... 66  
      4. Man over machine ...................................................................................... 67  
      5. Getting it all together ................................................................................... 69  

VI. Conclusion ................................................................................................................. 70  

Appendix I ...................................................................................................................... 72
I. Introduction

Five hundred years before the coming of Christ, Babylonian men procured wives during an annual auction of women of marriageable age.\(^1\) Would-be husbands bought the attractive women in traditional auctions with the lucky suitor being the highest bidder, but the less desirable females had to pay someone to marry them. The not-so-pretty women auctioned themselves off in what is probably the earliest precursor of a reverse auction in recorded history. Most likely using the prices paid for the good-looking wives as a starting point, the potential suitors competed to reduce their “bids” until hitting their bottom line—the bargain-basement dowry they would accept to marry an ugly wife. The man with the cheapest requirements took home a bride.\(^2\)

More than 2500 years later, the public sector has turned to auctioning to buy millions of dollars of computers, natural gas, airplane parts, dishwashers, pharmaceuticals and even goats. In this day and age, however, the auctions have a new twist—they are online and they are “reverse.” As they gain in popularity, the virtual gavel can be heard banging across the Department of Defense (DoD) and the entire federal government.

Government agencies are turning to this procurement tool not only as a way of leveraging electronic commerce technology but also because it has significant potential to shorten the contracting timeline, and, perhaps more importantly, result in dramatic cost savings for the government. However, not everyone favors reverse auctions’ bid for acceptance. A number of legal questions and concerns about reverse auctions still loom in contracting cyber-space.

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\(^1\) RALPH CASSADY, JR., AUCTIONS AND AUCTIONEERING 26 (1967), (citing HERODOTUS, THE HISTORIES OF HERODOTUS 77 (Henry Cary trans., 1899)).

\(^2\) Id. Neither Cassady nor, apparently, Herodotus offers any insight into the relationship between the price of a wife and the likelihood of marital bliss.
This paper first reviews the background of reverse auctions, starting with their history, including use by the private sector and by state and local governments. The paper also provides a general description of how reverse auctions work and looks at the federal government's experience with reverse auction procurements, including an overview of the perspective of the different services. Next, the paper addresses the baseline question of whether reverse auctions are legal, followed by explaining what regulatory guidance exists. The paper then reviews some of the difficulties previous reverse auctions have faced, the challenges in properly implementing them, and some of the concerns among government and industry users. The paper evaluates the validity of some of those criticisms, as well as assessing possible solutions to the various problems. The paper next concludes that reverse auctions are a valuable procurement tool that will continue to grow in popularity. With that baseline assumption, the paper then analyzes opinions regarding whether reverse auctions require additional regulatory guidance. Finally, the paper asserts that while the reverse auction experience to date does not indicate a need for extensive regulation, a few areas could benefit from more formalized guidelines.

II. Reverse Auction Background

A. History of Reverse Auctions

After the Babylonians, the British apparently used a descending price auction—also known as a Dutch auction—as far back as the 1600s. A descending price auction is similar

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3 *Id.* at 32 (describing the mention in a seventeenth-century British catalog of a “mineing” auction). Despite its name, “mineing” had nothing to do with underground minerals. Instead, it involved potential buyers driving down an initial bid until someone called “Mine!” and took home the lot. Cassady calls “mineing” an imported version of the Dutch auction, used originally in Holland (thus the name). *Id.*
to a reverse auction in that participants bid down the price from its beginning level. The two formats differ, however, because a descending price auction still has the traditional goal of selling something to the bidders. On the other hand, in a reverse auction, the bidders are vying for the right to sell something to the auction holder.

In the private consumer world, Priceline.com uses a reverse auction to match travelers with airline tickets, and the lending industry, automobile sales and hotel bookings have all employed reverse auctions. At least three online reverse auction web sites will locate attorneys for legally troubled consumers, and the concept has found a place in class-action suits, environmental siting decisions and even medicine.

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4 Id. at 62 (“The auctioneer determines the starting figure and quotes prices at descending intervals until someone bids the item in.”). The Dutch auction is still used today to sell items ranging from art treasures in the Netherlands to fish in Israel. Id. at 63.

5 If one views the men as selling themselves as husbands, then the Babylonian auction truly was reverse.


8 John C. Coffee Jr., Class Wars: The Dilemma of the Mass Tort Class Action, 95 Colum. L. Rev 1343, 1354 (Oct. 1995) (arguing that in mass tort class actions, defendants will seek favorable settlements by pitting plaintiffs’ attorneys against themselves, a process that will degenerate “into a reverse auction, with the low bidder among the plaintiffs’ attorneys winning the right to settle with the defendant”).

9 Bradford C. Mank, Environmental Justice and Discriminatory Siting: Risk-Based Representation and Equitable Compensation, 56 Ohio St. L.J. 329, 363 (1995) (stating that a reverse auction is one of five ways that a state can provide compensation to those harmed by siting an environmentally unattractive facility nearby). The siting authority “offers” the facility for consideration and then locates it in whichever community steps forward to accept the facility in return for the least amount of compensation. Id.

In 1998, online auction transactions (both reverse and traditional “forward” forms) between businesses and from businesses to consumers totaled about $8.5 billion a year.\textsuperscript{11} One analyst predicts online auctions will account for an astronomical $100 billion by 2004.\textsuperscript{12} Local, state and federal government currently spend less than one dollar out of every 100 online,\textsuperscript{13} but one estimate figures online auctions could cut governmental procurement costs by at least $50 billion.\textsuperscript{14}

Pennsylvania was the country’s first governmental organization to utilize reverse auctions. Over several months in 1999, the state saved $8.5 million buying rock salt for roads, aluminum rolls destined to become license plates, and heating coal online.\textsuperscript{15} In January 2001, San Antonio, Texas, saved forty percent in reverse auctions for equipment for its emergency services.\textsuperscript{16} Minnesota’s forty-five-minute reverse auction in June 2001 for aluminum was expected to reap five-year savings of more than $175,000.\textsuperscript{17}


\textsuperscript{12} \textit{Id}.


\textsuperscript{14} \textit{Id} at 53. Wyld, an associate professor in the Department of Management at Southeastern Louisiana University, is deliberately conservative in his estimate, which would require governments to realize only about one-fifth of the highest savings achieved by private sector firms. \textit{Id}.


\textsuperscript{16} Alan Goldstein, \textit{Agencies Move Forward with Reverse Auctions}, \textit{DALLAS MORNING NEWS}, Jan. 31, 2001, at 1D.

\textsuperscript{17} Press Release, Minnesota Department of Administration, State Launches Reverse Auction Purchasing Initiative (June 29, 2001), http://www.admin.state.mn.us/reverse_auctions.html.
In short, “the Internet has made procurement sexy”\textsuperscript{18}—and the DoD has not proven immune to the enticement of technology’s bright lights and big city. Drawn by the lure of big-buck savings and the thrill of the Internet revolution, various government agencies have turned to reverse auctions with varying degrees of enthusiasm and success.

B. How Reverse Auctions Work

Generally, reverse auctions allow companies to bid against each other in real time. The government knows the bidders’ identities, but the bidders themselves see only aliases so they do not know who they are bidding against.\textsuperscript{19} One of the most critical steps for the government is to determine the opening price, which participants then bid down. This price generally is set using a previous baseline (such as the supply schedule from the General Services Administration (GSA)) or the Independent Government Cost Estimate (IGCE).\textsuperscript{20} The auction lasts for a fixed period, usually thirty to sixty minutes.\textsuperscript{21} However, it can be extended past that window if an offeror submits a bid within the closing minutes (again,

\textsuperscript{18} WYLD, \textit{supra} note 13, at 97.

\textsuperscript{19} GSA GUIDE, \textit{supra} note 11, at 5.

\textsuperscript{20} See Air Combat Command, \textit{Reverse Auction Tacklebox}, at https://lg.acc.af.mil/lgc/RA/RA_toolkit.htm (Mar. 1, 2001) [hereinafter ACC \textit{Reverse Auction Tacklebox}] (Lessons Learned) (describing the right starting price as “crucial” and suggesting that it be based on “sound market research, historical pricing and the government estimate”). However, the Air Force also has let the market set the starting price as well as the ending bid in reverse auctions. Telephone Interview with Lt Col Gregory D. Snyder, Air Force Secretariat Staff Contracting Officer (Mar. 13, 2002) [hereinafter Snyder interview].

another set period, for example, the final five minutes). At this point, each participant gets an additional period to submit new bids and “literally buy themselves more time.”

The circumstances—the buyer, the suppliers, the type of contract, the item or service involved, the level of technology and the auction provider used, etc.—may require/allow the agency to customize the actual process more or less. For example, in a negotiated procurement (either a best-value tradeoff or lowest price technically acceptable), the process may work this way: The agency identifies and articulates the competitive requirement, synopsizes it and releases the solicitation. After receiving proposals, the agency determines the competitive range and then schedules the reverse auction. (The agency also often reserves the right to award without using a reverse auction.) All the contractors who will be participating receive training before the agency conducts the auction. After the auction, the agency does a post-auction analysis and awards the contract.

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22 Press Release, Air Force Personnel Center News Service, Reverse Auction saves AFPC nearly $1 million (Feb. 1, 2001), http://www.afpc.randolph.af.mil/pubaffairs/release/2001/01/ReverseAuction.htm. Last-minute bids extended this auction thirty-six times, to more than four hours. AFPC saved more than $930,000 on 833 computers and slashed costs by almost half compared to the GSA quote of $2.065 million. Id.

Some agencies set a final closing time—regardless of any last-minute bids submitted—on their auctions. The Naval Supply Systems Command (NAVSUP), however, does not; instead, it has a policy of unlimited overtimes because “[w]e don’t want the determining factor of the lowest bid to be who has the faster ISP connection.” Telephone interview with CDR Richard Ellis, Director of Acquisitions Policy at the Naval Inventory Control Point (NAVICP), Philadelphia (Feb. 4, 2002) [hereinafter Ellis interview]. NAVSUP avoids auctions that run on forever by requiring new bids to drop by a minimum amount, between .25 and .5 percent of the contract dollar value. Id. But see infra notes 161-65 and accompanying text (reporting problems that can arise from the lack of a final ending time).

23 The “best value continuum” includes the tradeoff process, in which the government evaluates a number of factors other than cost or price, assigning them a combined weight determined in relative importance to cost or price. GENERAL SERVS. ADMIN. ET AL., FEDERAL ACQUISITION REG. 15.101-1(b)(2) (Sept. 2001) [hereinafter FAR]. The tradeoff process allows the government to pay more for benefits it believes warrant the additional cost. Id., 15.101-1(c). The “lowest price technically acceptable” source selection process, on the other hand, is “appropriate when best value is expected to result from selection of the technically acceptable proposal with the lowest evaluated price.” Id., 15.101-2(a).

24 See Smith presentation, supra note 21, slides 10-11 (explaining all the steps that follow).
C. The Federal Government Experience

1. General overview

Reverse auctions are attractive first and foremost because of their "dynamic pricing"—their ability to create an environment where prices can fall as much as the market will allow.\textsuperscript{25} Government agencies have saved millions after seeing prices drop as much as fifty percent from the starting price. Another benefit has been the ability to award a contract in days, sometimes literally hours, compared to the weeks or days award traditionally takes.\textsuperscript{26}

In May 2000, the Navy conducted the federal government's first online reverse auction, for 756 recovery sequencers used in airplane ejection seats.\textsuperscript{27} During the fifty-one-minute auction, the price dropped from the starting bid of $3.2 million to the final price of $2.37 million, a savings of about twenty-eight percent. After the auction closed, the Navy needed less than an hour to award the contract to the winner of the three would-be suppliers.\textsuperscript{28}

Also in May, the Army's Communications-Electronics Command (CECOM) carried out two test reverse auctions but on a much smaller scale. CECOM bought a secure fax machine

\textsuperscript{25} See WYLD, supra note 13, at 6-7 (characterizing auctions as transforming "pricing from a static to a dynamic model" and describing the "immense potential for cost savings" in using auction technologies).

\textsuperscript{26} See GSA GUIDE, supra note 11, at 1 (claiming that the "rapid bid, re-bid and negotiation process done in real-time over the Internet" leads to a reduced acquisition cycle). That time savings may occur, however, only after the auction, at time of award. Upfront preparations may require as much, if not more, time than traditional acquisitions. Snyder Interview, supra note 20; see also infra note 158.

\textsuperscript{27} Bill Murray, Navy, Army Find Savings in Initial Reverse Auctions, GOV'T COMPUTER NEWS, June 12, 2000, at 1, LEXIS, Industry News Publications.

\textsuperscript{28} Id. In November 2000, the Coast Guard also bought spare airplane parts in its first-ever online reverse auction. Eight firms submitted 291 bids for seven lots, eventually saving the Coast Guard twenty-two percent or about $300,000. Press Release, U.S. Department of Transportation, Coast Guard Holds "Reverse Auction," http://cio.ost.dot.gov/cio_activities/cg_auction.html (n.d.).
at a savings of about twenty percent off the GSA schedule, followed by a purchase of two computers for $3,280, about half the price the Army would have paid through GSA.29

The Defense Energy Support Center held its first reverse auction in August 2000, knocking about $425,000 off the cost of a month’s worth of natural gas for Washington-area military installations. Six suppliers submitted twenty bids in thirty minutes.30

The following month, in September 2000, the GSA’s Federal Technology Service launched “Buyers.Gov” 31 as an online reverse auction provider. GSA contracted with five companies, called “enablers,” to conduct the auctions.32 After a year, the site had handled about two dozen auctions—about half for information technology products.33 In June 2001, GSA announced plans to award a long-term, government-wide indefinite-delivery, indefinite-quantity (IDIQ) contract to execute the Buyers.Gov reverse auction program.34

During its inaugural month, Buyers.Gov conducted the largest online reverse auction to that point. In September 2000, the Department of Defense Finance and Accounting Service

29 Murray, supra note 27.


32 GSA GUIDE, supra note 11, at 1.


An IDIQ contract requires the government to order, and the contractor to provide, some minimum quantity of supplies or services. The government often uses these types of contracts when the agency does not know in advance exactly how much of the goods or services it will need. See FAR, supra note 23, 16.504(a)-(b).
(DFAS) watched fifteen bidders compete to supply its information technology needs. Originally set to last just sixty minutes, the auction went more than four times as long as falling prices extended the deadline. Prices on the four lots dropped from twelve to forty-eight percent, and DFAS paid about $2.2 million less than the $10 million IGCE.\textsuperscript{35} Officials gushed, as well, over the speed of the procurement, which closed out that same day.\textsuperscript{36}

In November 2000, the Small Business Association (SBA) became the first government agency to procure professional services through a reverse auction. The ten-hour competition between three contractors bidding for the right to install automated doors appears to have saved the SBA about 17.6 percent from its the target price.\textsuperscript{37}

And then there are the goats. In November 2000, the Army helped the Special Operations Command buy 100 goats (known in official military parlance as “caprines”).

\textsuperscript{35} GSA GUIDE, \textit{supra} note 11, at 18.

\textsuperscript{36} PR Newswire, \textit{ACS Powers Federal Government’s Largest-Ever Online Reverse Auction}, Sept. 28, 2000 (quoting DFAS Director Tom Bloom as saying, “Our objectives were speed and value . . . In one afternoon, we saved a considerable amount of money and accomplished a major procurement that might ordinarily take over five days”), at http://www.buyers.gov/news/19.html. The entire process, in fact, took just more than a week. During the four days before the auction (18-21 September), DFAS received and evaluated proposals, and it issued delivery orders the next Tuesday, 26 September. General Services Administration, Buyers.Gov, “DFAS Auction,” slide 3 (undated PowerPoint presentation) (on file with author).

In May 2001, the Internal Revenue Service claimed the “biggest ever” reverse auction title, buying 11,362 desktop computers and 16,354 notebooks through Buyers.Gov. The final price of $63.4 million was less than half the prebid estimate of $130 million. Walker & McCane, \textit{supra} note 33.


With five bidders, the price dropped from $130 a head to $100, a savings of twenty-three percent.\footnote{See infra Appendix 1 (spreadsheet giving an overview of reverse auctions conducted by CECOM) (provided by Matthew Meinert, Group Chief, Electronic Initiatives Group, Acquisition Business Process Sector, Army Communications-Electronics Command, Fort Monmouth, New Jersey). As of February 2002, the Army had conducted about fifty auctions, for customers who ranged from various Army commands to the Air Force, the Marine Corps, the State Department, and the Department of Energy. Telephone interview with Matthew Meinert, Group Chief, Electronic Initiatives Group, Acquisition Business Process Sector, Army Communications-Electronics Command, Fort Monmouth, New Jersey (Feb. 5, 2002) [hereinafter Meinert Interview]. Cumulative savings totaled more than $2.17 million, with per-auction savings ranging between seven and fifty-three percent. Appendix 1, infra. Additionally, in a number of cases, the Army completed the auction and issued the contractual instruments in less than an hour. Matthew Meinert, Group Chief, Electronic Initiatives Group, Acquisition Business Process Sector, Army Communications-Electronics Command, Fort Monmouth, New Jersey, “Reverse Auctioning,” slide 23 [hereinafter Meinert presentation] (undated PowerPoint presentation) (on file with author).}

The Defense Supply Center-Columbus (DSCC) has found that using an automated reverse auction system for purchases of less than $25,000 tends to slash procurement time from eighty-seven days to about two weeks.\footnote{Mark A. Kellner, Winning Bid Can Be Determined in One Minute with Automated Reverse Auction, GOV'T COMPUTER NEWS, Oct. 16, 2000, at 33, LEXIS, News Group File.} DSCC’s own system—the DSCC Internet Bid Board System (DIBBS)—allows would-be contractors to view their competitors’ bids and submit their own bids before a set closing time.\footnote{Susan Pavilkey, DSCC Auction Site Saving Time, Administrative Costs, COLUMBUS BUSINESS FIRST, Nov. 17, 2000 (quoting Kate Minor of the DSCC), http://columbus.bcentral.com/columbus/stories/2000/11/20/ focus4.html. DSCC runs its auctions slightly differently than the usual reverse auction, leaving the bidding open for longer periods, usually two weeks. Bidders can submit quotes at any point during that time and need not necessarily beat the previous bid. DEFENSE SUPPLY CENTER-COLUMBUS, DIBBS AUCTION USERS GUIDE 3-4 (Nov. 2000) [hereinafter DIBBS AUCTION USERS GUIDE], at http://dibbs.dscools.com/RFQ/Auction/.} As of 6 March 2002, DSCC had sixty-seven open auctions scheduled to close in the next two weeks. Since August 2000, the agency had awarded almost 3900 contracts through DIBBS.\footnote{Defense Supply Center-Columbus, DSCC Internet Bid Board System, DIBBS Auctions, at http://dibbs.dscools.com/RFQ/Auction/ (last visited Mar. 20, 2002) [hereinafter DIBBS Auctions]. In the same time frame, DSCC terminated 645 auctions because it did not receive any qualified quotes. Another 122 contracts were still awaiting award, including nineteen in which the auctions closed more than six months ago. Id.}

A check of active postings on FedBizOpps.gov on 5 February 2002 showed nine solicitations in which the agency had, at a minimum, reserved the right to conduct a reverse
auction. They ranged from the Federal Prison Industries at the Department of Justice looking to buy about 9500 speakers and amplifiers to dry-dock and repair services for two Coast Guard patrol boats to an IDIQ contract from the Postal Service for 115 different types of pressure-sensitive labels and similar items, estimated to be worth $35 million.

2. Service-specific perspectives

Each of the largest three services—the Army, Navy and Air Force—are wielding the reverse auction gavel in different ways. The Navy has perhaps been the most groundbreaking, the Army the most all-encompassing, and the Air Force the most decentralized.

a. The Navy sets sail

The Navy began using reverse auctions after meeting with auction service provider FreeMarkets, Inc., at the request of the Navy’s Chief Information Officer. Excited by the potential reverse auctions offered, the Navy revised its already published solicitation for ejection seats to include a reverse auction as “discussions over price.” During the auction’s

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43 FedBizOps.gov, supra note 34 (Solicitation No. VC0014-02).

44 Id. (Solicitation No. DTCG80-02-B-3FAU20).

45 Id. (Reference No. PSL012202). Archived postings from September 2000 to January 2002 showed another twenty-six procurements involving reverse auctions, including toilet tissue and paper towels for the National Institutes of Health, concentrated juices and bread and “bread-type rolls” for the Navy, tactical body armor for the State Department and Coast Guard lodging services. Id. (archived solicitations).

46 Ellis Interview, supra note 22. CDR Ellis has been in his current position since 1999. Id.
first eight minutes, the Navy got four bids—and then nothing for about the next seventeen.  
Eventually, thirty-eight bids came in, extending the auction to fifty-two minutes.  

Converted by the outcome, the Navy decided to set up its own auction system. The Navy secured five-year IDIQ contracts with two different companies, each providing different options and approaches to online reverse auctions—one a full-service provider, the other a “do-it-yourself” software program. The Navy has made the contracts available for a fee to other DoD and federal agencies.

Since the original auction, the Navy has conducted about forty-three more, for agencies such as the Air Force, the Coast Guard, the Veterans’ Administration, and the Defense Logistics Agency (DLA). Customers have bought items ranging from light bulbs to shipboard lockers to pharmaceuticals and frozen potatoes. The total “through-put” value is about $144 million, with customers saving about $37 million, or twenty-six percent, and the Navy anticipates expanding its reverse auction use.

b. An Army for everyone

See id. (reporting that the Navy was “ecstatic” over the results).

The Army began investigating reverse auctions at the direction of senior Army procurement officials. A team of Army acquisition staffers worked with the Massachusetts Institute of Technology to figure out how the Army could integrate reverse auctions into its procurement system quickly, easily and relatively cheaply.\(^\text{54}\)

The Army evaluated a number of approaches and decided to go with a software- and web-based approach rather than hiring a commercial vendor to provide auction services. The Army saw two advantages in this approach: One, it would let any contracting officer anywhere in the world conduct reverse auctions from his or her desktop. Secondly, it gave the Army the capability to do reverse auctions for smaller-dollar acquisitions, which would not be cost effective if the Army were paying a commercial reverse auction provider a hefty fee for each auction. The Army also has made the software available, for a fee, to other federal government agencies, including the Marines Corps and the Air Force.\(^\text{55}\)

The Army has since bought everything from Patriot Missile parts to lumber to dishwashers.\(^\text{56}\) CECOM has made several multi-million dollar buys, including an acquisition of desktop computers that saved the customer eighteen percent by slashing $400,000 off the starting price of $2.2 million.\(^\text{57}\)

c. Users' choice in the Air Force


\(^{55}\) *Id.*

\(^{56}\) Appendix 1, *infra.*

\(^{57}\) *Id.*
The Air Force approach has been more restrained and low-key. Before holding any reverse auctions, the Office of the Deputy Assistant Secretary of the Air Force for Acquisition (Contracting) (SAF/AQC) carried out a series of studies to evaluate how and when Air Force acquisition officials could best use this tool. The September 2000 studies were followed by a SAF/AQC guidance memo, a research paper, strategy and policy related guidelines, a PowerPoint briefing, and designated reverse-auction points of contact (POCs) at the Pentagon, all available on a SAF/AQ Reverse Auction website.\(^{58}\)

By June 2001, the SAF/AQ newsletter heralded the Air Force’s foray into the reverse auction world, including a partnership with CECOM to use the Army’s auction software.\(^{59}\) The article went on to close with this:

RA is shaping up to be a very interesting practice that deserves the Acquisitions community’s attention. SAF/AQC has helped set the stage for the Air Force’s adoption of reverse auctioning as a new tool to drive the warfighter’s costs down. Keep your eyes open for more on this interesting approach.\(^{60}\)

Six months later, however, the Air Force approach had changed as part of an overall SAF/AQ reorganization from five divisions to three that were aligned more closely with operational units.\(^{61}\) As part of that realignment, responsibility for e-commerce implementation was transferred to Gunter Air Force Base, Alabama. That move was

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\(^{58}\) Office of the Deputy Assistant Secretary of the Air Force for Acquisition (Contracting), Reverse Auction, at http://www.safaq.hq.af.mil/contracting/reverseauction/ (last modified Apr. 24, 2001) [hereinafter SAF/AQ Reverse Auction].


\(^{60}\) Id. at 7.

\(^{61}\) Snyder Interview, supra note 20.
intended "not to diminish reverse auctions" but rather to refocus SAF/AQ on overarching policy determinations instead of "hands on" acquisitions activities.62

Additionally, after a test partnership using the Army's reverse auction programs, the Air Force was not convinced that this type of a service-wide agreement was cost effective, given the approximately twenty reverse auctions it had done.63 Because other options exist (e.g., using the Navy's or GSA's enablers or other providers for a per-auction fee), the Air Force decided to allow each contracting office to determine if, when and how to use reverse auctions. "What we wanted to do was say, this is a tool you can use" if it fits into the organization's acquisition planning.64

III. Legal Framework

Despite thousands of years of private sector experience, the federal government is a "Johnny-come-lately" to the reverse auction block—because five years ago, auctions and government procurement were an illegal combination. Regulatory changes now seem to permit auctions (although some disagree), but the specific guidance is still evolving.

A. Are Reverse Auctions Legal?

62 Id. Transferring the e-commerce workload to Gunter was a logical move because Gunter already was the Air Force "center for excellence" for computer-related activities. While a second lieutenant at Gunter has day-to-day responsibility for reverse auctions, SAF/AQ has retained a POC responsible for reverse auction policy and retains overall e-commerce program direction "for the end-to-end vision and standard procurement system." Id.

63 Id.

64 Id. That shift, however, means that the local unit pays for the auction enabler or provider's costs, rather than having the auctions centrally funded as they were under the Army agreement. Id. This can prove rather tricky because the auction services are just that—services. Thus, in some instances, they cannot be paid for with the same procurement dollars the organization is using to buy its commodities, due to fiscal rules. Id.
Five years ago, the Federal Acquisition Regulation (FAR) flatly outlawed negotiated procurements using auctions or "auctioning techniques."\textsuperscript{65} The ban may have been due, at least in part, to opposition from industry sources, who disliked the lowest-price emphasis and the competitive edge auctions gave to buyers.\textsuperscript{66} A 1997 rewrite to the FAR Part 15 eliminated the auction prohibition, although it still forbids releasing one offeror’s price to any others without advance approval.\textsuperscript{67} That ban, however, is a general one—not one specifically aimed at auctions. The current FAR is simply silent on reverse auctions.

Closely intertwined with this issue is the Procurement Integrity Act (PIA), which prohibits anyone acting on the government’s behalf from knowingly disclosing a contractor’s bid or proposal before the contract award.\textsuperscript{68} The PIA “could be interpreted as forbidding auctions, although this clearly was not the intent of the legislation.”\textsuperscript{69}

Further complicating the picture is FAR Part 14.202-8, dealing with electronic bids. This section allows contracting officers to authorize electronic bid submission in sealed bid procurements—which arguably permits reverse auctions.\textsuperscript{70} However, because Part 14’s


\textsuperscript{66} Id.

\textsuperscript{67} Id. \textit{See also} FAR, \textit{supra} note 23, 15.306(e)(3) (“Government personnel involved in the acquisition shall not engage in conduct that . . . [r]elevs an offeror’s price without that offeror’s permission.”); Timothy D. Palmer et al, \textit{Can The Government Go Fast Forward on Reverse Auctions?}, \textit{The Gov’t Contractor}, July 12, 2000, at 1, 4 (concluding that “the propriety of auction techniques under the new FAR Part 15 appears to turn on obtaining advance consent from all participants to release bids”).

\textsuperscript{68} 41 U.S.C.S \textsection{} 423(a) (LEXIS 2002); \textit{see also} FAR, \textit{supra} note 23, 15.608(a) (“Government personnel shall not use any data . . . or other part of an unsolicited proposal . . . in negotiations with any other firm unless the offeror is notified of and agrees to the intended use.”).

\textsuperscript{69} Kelman, \textit{supra} note 65.

\textsuperscript{70} \textit{See} Smith presentation, \textit{supra} note 21, slide 37 (opining that this section “[p]rovides the flexibility to use” reverse auctions).
provisions were “still largely written with traditional (i.e., paper-based procedures in mind),” a strict literal interpretation of Part 14 is problematic.\footnote{Palmer et al., supra note 67, at 6.}

For example, FAR Part 14 outlines a scheme of one bid per offeror—nothing in the section envisions or sanctions \textit{successive} bids.\footnote{See \textsc{Air Force Material Command, Air Force Material Command Attorney’s Guide to Electronic Commerce} 37 (Sept. 2001) [hereinafter AFMC Attorney’s Guide] (stating that sealed bidding procedures “were never designed to accommodate iterative rounds of bids”).} Reverse auctions do not quite fit a model in which sealed bids are to be “submitted at an exact time, opened at an exact time and safeguarded in the interim.”\footnote{Palmer et al., supra note 67, at 6; \textit{see also} Scott M. McCaleb, \textit{Reverse Auctions: Much Ado About Nothing or the Wave of the Future?}, PROCUREMENT LAW ADVISOR, Sept. 2000, at 3 (asserting that it is “doubtful” that reverse auctions meet the requirements of a FAR Part 14 procurement).}

Given the FAR’s absence of express authorization, are reverse auctions lawful? Despite the FAR revision, some skeptics assert that reverse auctions border on illegality, at a minimum.\footnote{See, e.g., Bob Little, \textit{Legal Questions Loom for Reverse Auctions; GOV’T COMPUTER NEWS}, Aug. 1, 2000, at 37, LEXIS, News Group File (contending that case law can be interpreted to prohibit contract activity in which offerors know “the previous bid of another,” as in a reverse auction); Stephen M. Ryan, \textit{Reverse Auctions Need Regulatory Guidance}, \textsc{GOV’T COMPUTER NEWS}, Aug. 14, 2000, at 22, LEXIS, News Group File (declaring that the law is unclear on reverse auctions’ legality); Robert Antonio, \textit{Do Reverse Auctions Violate FAR 15.307(b)? WHERE IN FEDERAL CONTRACTING?}, July 24, 2000 (maintaining that the reverse auction fails to satisfy all FAR requirements), at http://www.abanet.org/contract/federal/regscomm/ecomm_003.html.} The American Bar Association (ABA) has called for an unequivocal FAR pronouncement that reverse auctions are legal when done properly.\footnote{Letter from the Public Contract Law Section of the American Bar Association, to the General Services Administration (Jan. 5, 2001) [hereinafter ABA Letter] (calling for explicit FAR guidance that properly conducted reverse auctions are permitted), http://www.abanet.org/contract/federal/regscomm/ecomm_003.html.}

No court has ruled specifically on reverse auctions, although several have addressed auctions in general.\footnote{See, \textit{e.g.}, DGS Contract Serv., Inc., 43 Fed. Cl. 227 (1999) (upholding auctioning techniques). The court said, “Construing (FAR) section 15.306(e), an agency theoretically could conduct an auction and disclose prices of each offeror in the competitive range provided it obtained their consent.” \textit{Id.} at 239. \textit{See also} Thomas F. Burke, \textit{Online Reverse Auctions}, WEST GROUP BRIEFING PAPERS, Oct. 2000, at 1 (noting that the General

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both involving the Navy’s attempts to acquire moving services. In both, the Navy voluntarily took corrective action, and so the General Accounting Office (GAO) denied the protests.\textsuperscript{77} However, in the second case, the GAO evidently felt compelled to point out, in the opinion’s final footnote, that the decision did “not address the more general question of the propriety of reverse auctions, since that is not at issue in the protest.”\textsuperscript{78} Is that an invitation for someone to raise the issue of whether reverse auctions are proper—a veiled hint that GAO thinks they are not? Or is it simply one of those throwaway remarks that sometimes get made in dicta (and then overanalyzed by lawyers who read way too much into them)?

If the footnote is GAO’s oblique signal that it believes reverse auctions are unlawful, GAO is taking the minority view. The DoD General Counsel’s office has advised DoD acquisition officials that current statutes and regulations allow reverse auctions,\textsuperscript{79} and the bulk of other commentators seem to agree.\textsuperscript{80} 

\textsuperscript{77} Pacific Island Movers, Comp. Gen. Dec. B-287643.2, July 19, 2001, 2001 CPD ¶ 126 (upholding the Navy’s decision to cancel the reverse auction and obtain revised price proposals because of software malfunctions and other deficiencies); Royal Hawaiian Movers, Inc., Comp. Gen. Dec., B-288653, Oct. 31, 2001, 2001 CPD ¶ 182 (ruling that obtaining revised price proposals was an appropriate solution to resolve an ambiguous solicitation); see also infra notes 159-70, 176-78 and accompanying text (discussing the cases in more detail).

\textsuperscript{78} Royal Hawaiian Movers, Comp. Gen., B-288653, at 4 n.4.


\textsuperscript{80} See, e.g., AFMC ATTORNEY’S GUIDE, supra note 72, at 35 (“If properly structured, reverse auctions comply with all procurement statutes and regulations.”); CAPT Mike Darby, Naval Supply Systems Command, “Reverse Auctions,” Presentation at the Defense Acquisition University Lunchtime Series, Slide 13 (Oct. 3, 2000) [hereinafter Darby presentation] (concluding that reverse auctions are “permissible” contracting techniques), http://www.dsmc.dsm.mil/contracting/FAIDAU/racop/documents/docs_top.htm; Boykin presentation, supra note 21, slides 18, 23 (asserting that reverse auctions require no “enabling FAR coverage” nor do they conflict with statutory requirements for full and open competition); Merson, supra note 15, at 11 (reporting that most legal opinions have found properly conducted reverse auctions to be lawful).
Yet all the opining that reverse auctions are legal does not seem to really answer the question of why that is so. To resolve the issue, one must view reverse auctions in the context of the evolving laws and statutes governing acquisitions and electronic commerce in the federal government—for example, the Federal Acquisition Streamlining Act of 1994 (FASA)\(^{81}\) and the Federal Acquisition Reform Act and the Information Technology Management Act (the latter two known as the Clinger-Cohen Act of 1996).\(^{82}\) These acts, and the resulting FAR revisions, signaled a drastic shift in policy: \(^{83}\) "Previously, the intent of the FAR was that nothing could be done unless it was expressly permitted; circumstances that were simply not mentioned were automatically prohibited."\(^{84}\)

FASA and the Clinger-Cohen Act, however, led to the discretion-enhancing philosophy found in the FAR’s “Statement of Guiding Principles for the Federal Acquisition System,” which states this:

> The role of each member of the Acquisition Team is to exercise personal initiative and sound business judgment in providing the best value product or service to meet the customer's needs. In exercising initiative, Government members of the Acquisition Team may assume if a specific strategy, practice, policy or procedure is in the best interests of the Government and is not addressed in the FAR, nor prohibited by law (statute or case law), Executive order or other regulation, that the strategy, practice, policy or procedure is a permissible exercise of authority.\(^{85}\)

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\(^{83}\) See Defense Systems Management College, Federal Acquisition Regulation (FAR) Changes, at http://www.dsmc.dsm.mil/dam/contents/far_rewrite.htm (last visited Mar. 21, 2002) [hereinafter DSMC, FAR Changes] (asserting that the FAR—including Section 15—was significantly rewritten in response to these acts); AFMC ATTORNEY'S GUIDE, supra note 72, at 6 (discussing the amendment's impact). Pages 3-20 of the AFMC guide also provide an excellent discussion of the evolution of electronic commerce in the federal government.

\(^{84}\) DSMC, FAR Changes, supra note 83.

\(^{85}\) FAR, supra note 23, 1.102(d).
The FAR’s guiding principles work hand-in-hand with the Office of Federal Procurement Policy (OFPP) Act. The OFPP Act requires agencies to use electronic commerce in procurement “to the maximum extent that is practicable and cost effective.” In implementing this mandate, the FAR grants agencies “broad discretion” to choose which methods they use.

Read together, these statues, at a minimum, permit reverse auctions and arguably go so far as to actually encourage using new tools such as reverse auctions. Any agency that does not at least explore reverse auctions for procurements is not maximizing electronic commerce usage, nor is it exercising initiative to find new ways to meet customers’ needs.

Additionally, case law on the extent of the PIA’s limitations seems to back up the contention that Congress did not intend the law to ban disclosure in a reverse auction context. In Pikes Peak Family Housing, LLC v. United States, the court reviewed the act’s legislative history to conclude “that the Act prohibits not all disclosure of procurement-related information, but rather, disclosure ‘other than as provided by law’.” While the statute’s actual language was a last-minute compromise and thus lacks explicit legislative commentary, the court thought that the law was “obviously directed” at situations where procurement officials leak confidential information in hopes of receiving some type of

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88 FAR, supra note 23, 4,520(b).

benefit in return. A reverse auction, where all the bidders agree up front to releasing their bids, does not implicate these kinds of concerns.

It does, however, raise the question of what constitutes “consent” to release. Those who participate in GSA’s Buyers.Gov auctions sign a written agreement authorizing disclosure of their bids to the auction enabler before the auction starts. In some reverse auctions, however, the only consent the government obtains is implied through the bidders’ auction participation. For example, sample solicitation language from the Navy states:

“Submission of a proposal in response to the solicitation will be considered consent by the Offeror to participate in the CBE (competitive bidding event) and to reveal their prices in anonymity during the CBE.”

No regulatory guidance addresses the issue of whether consent implied by participation is sufficient. Equally unsettled is the question of whether consent required for participation is freely and voluntarily given. “To the extent that the PIA, or for that matter, the Trade

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90 Id. at 681 (quoting the legislative history as describing the act’s purpose as “the abatement of ‘insider trading of sensitive procurement information’ ” and combating procurement fraud).

91 See AFMC ATTORNEY’S GUIDE, supra note 72, at 36 (stating that dicta from the Court of Federal Claims and GAO precedent seem to support the position that the government does not violate the PIA if it reveals a bidder’s price after the bidder authorizes disclosure in advance).

92 Buyers.Gov, supra note 31 (Questions and Answers section, No. 56).

93 Air Force Material Command Operational Contracting, Reverse Auctioning, at https://www.afmc-mil.wpafb.af.mil/HQ-AFMC/PK/pko/revauctn/ramain.htm (last modified Jan. 23, 2002) [hereinafter AFMC Reverse Auctioning] (providing a sample Section L—Instructions, conditions and notices to offerors or quoters—from the Navy). Army sample specifications similarly advise: “Submission of an offer during the reverse auction will be considered consent by the offeror to participate in the reverse auction and to reveal their prices in anonymity.” Id. (offering language used by CECOM and the 48th Contracting Squadron, RAF Mildenhall, England, for an information technology (IT) reverse auction in September 2000). Id.

94 GAO has ratified the use of consent through participation. See Pacific Island Movers, Comp. Gen. Dec. 287643.2, July 19, 2001, 2001 CPD ¶ 126 (holding that revealing bidders’ prices was fair because the offerors agreed to disclosure by participating in the auction).

95 See AFMC ATTORNEY’S GUIDE, supra note 72, at 36 (questioning whether “requiring consent as a condition to participate in the acquisition suffices to constitute voluntary consent”).
Secrets Act, 18 USC § 1905, gives a contractor legal rights to protect proprietary information, it is unclear whether a contractor’s ‘consent’ to waive confidentiality in an online auction setting would be enforceable if challenged.\textsuperscript{96}

In fact, very few reverse-auction questions are answered by explicit, formalized guidance. So, as reverse auctions began to make a bang in government procurement, the issue of whether regulatory guidance was needed began to come up as well. In the fall of 2000, OFPP officials solicited input from the commercial, governmental and educational communities to help craft reverse-auction policy. At the time, OFPP said it planned to issue the guidance by the spring of 2001.\textsuperscript{97} As of March 2002, it had not yet done so.

In October 2000, the Defense Acquisition Regulations (DAR) Council and the Civilian Agency Acquisition Council sought input on FAR guidance. But instead of following customary practice of publishing a proposed rule for public comment,\textsuperscript{98} the councils took the unusual step of asking whether any guidance on using reverse auctions was even needed, and, if so, how it should be handled.\textsuperscript{99} Acting on behalf of the DoD, the National Aeronautics and Space Administration and GSA, the councils stated that they recognized that not everyone wanted to see formalized guidelines. Other opinions the councils acknowledged included allowing agencies to set their own guidance through policy, that the agencies’ reverse auction experience is still too limited to provide an adequate basis for

\textsuperscript{96} Palmer et al, \textit{supra} note 67, at 4.


\textsuperscript{98} \textit{See} FAR, \textit{supra} note 23, 1.501-2(b) (directing the councils to publish proposed significant revisions to the FAR to provide interested parties the chance to submit written comments).

\textsuperscript{99} Reverse Auctioning Notice, Department of Defense, General Services Administration, National Aeronautics and Space Administration, 65 Fed. Reg. 211 (Oct. 31, 2000) (seeking comments on “whether there is a need for guidance on the use of reverse auction techniques, and, if so, how it can be most effectively communicated”).
developing useful guidance, and that the FAR does not need to address reverse auctions because “FAR 1.102(d) permits any technique that is not expressly prohibited.”

Besides asking whether guidance was needed, and if so, the form it should take, the councils also suggested a number of topics for comments. These topics included determining when reverse auctions are appropriate, auction ground rules, how to do best value cost-technical tradeoffs in connection with an auction, ensuring small business participation, the pros and cons of reverse auctions (for both the government and contractors), and possible hurdles to conducting auctions.

The FAR councils received thirty-eight comments regarding reverse auctions. In April 2001, the DAR Council met to review them and decided to do . . . nothing. Why? Because even though “the majority of the respondents believed that FAR guidance would be helpful,” the DAR Council simply could not agree on any revision or proposal: “Every change caused a problem for someone at the table. The principal concern was that nothing be included that might interfere with what agencies are already doing in this area.” Inaction (in the form of a recommendation to the OFPP that the case be closed because it was premature to develop FAR guidance) was the only action that could garner a consensus.

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100 Id.

101 Id.


103 Id.

104 Id. The council did note, however, that its recommendation was only advisory and that the OFPP might not agree with it. Additionally, the council realized it might need to revisit the issue if future events indicated a renewed need for regulatory guidance. Id.
B. Existing Guidance

Because the FAR councils opted against FAR revisions, the reverse auction community must rely on existing guidance that fluctuates considerably in both quality and quantity. The Office of the Secretary of Defense, Acquisition, Technology, and Logistics (Acquisition Initiatives) gives reverse auctions a passing mention in its Commercial Items Handbook.\textsuperscript{105} The Army has added references to reverse auctions in its service supplement to the FAR regarding blanket purchase agreements (BPAs).\textsuperscript{106} The Army’s discretionary Source Selection Guide also covers reverse auctions in Appendix I.\textsuperscript{107}

The Air Force put out mandatory reverse auction guidance in a February 2001 memorandum from SAF/AQC.\textsuperscript{108} The Air Force Material Command (AFMC) offers an Attorney’s Guide to Electronic Commerce with a few pages on reverse auctions.\textsuperscript{109}

A variety of sites scattered across the web offer guidance ranging from minimal (a page or two)\textsuperscript{110} to much more extensive.\textsuperscript{111} However, none is easy to locate if one does not know

\textsuperscript{105} OFFICE OF THE SEC’Y OF DEF., ACQUISITIONS, TECH. AND LOGISTICS (ACQUISITION INITIATIVES), COMMERCIAL ITEM HANDBOOK, at 13 (Nov. 2001) [hereinafter OSD HANDBOOK] (advising that commercial item procurements can use reverse auctions to determine a fair and reasonable price and to ensure competition), \textit{available at} http://www.acq.osd.mil/ar/doc/cihandbook.pdf.


\textsuperscript{108} Memorandum from Brigadier General Darryl A. Scott, Deputy Assistant Secretary (Contracting)/Assistant Secretary (Acquisition), U.S. Air Force, to ALMAJCOM-FOA-DRU (CONTRACTING), subject: Reverse Auction (RA) Guidance (19 Feb. 2001) [hereinafter Scott Memo], \textit{available at} http://www.safaq.hq.af.mil/contracting/reverseauction/. SAF/AQC issued the guidance after reviewing corporate use of reverse auctions, evaluating commercial reverse auction providers, and analyzing reverse auctions to see if they conflicted with current regulatory and statutory rules. \textit{Id.; see also supra} note 58 and accompanying text.

\textsuperscript{109} AFMC ATTORNEY’S GUIDE, \textit{supra} note 72, at 35-37.

\textsuperscript{110} See, e.g., the Defense Supply Center-Philadelphia, \textit{Reverse Auctioning} (July 31, 2001), \textit{at} http://www.dscp.dla.mil/counsel/REVERSEA.htm [hereinafter DSCP Reverse Auctioning] (offering just two pages);
the Internet address, and there is no single consolidated location offering definitive guidance for anyone involved in DoD contracting (either on the government side or suppliers).

IV. Difficulties and Challenges

Although the DoD may share the credit for creating the Internet,112 it has long since been left in the cyber-dust by the business community, which—lacking guaranteed operating funds—has been forced to seek out more innovative (and more efficient) operating methods.113 The entrenched bureaucratic mentality and its penchant for doing things “the way we have always done them” have hampered DoD’s use of reverse auctions.114 “The demands of the e-marketplace will challenge our fundamental notions of what it means to be

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111 The best example is GSA’s Buyers.Gov web page, which has a guide to best practices for reverse auctions (dated April 2001 but still designated as a “draft”), links to news articles, frequently asked questions, PowerPoint presentations, a demonstration of how auctions work, and more. Buyers.Gov, supra note 31. See also ACC Reverse Auction Tacklebox, supra note 20 (providing a fair amount of information—although most of it also has not been updated in some time); AFMC Reverse Auctioning, supra note 93 (offering links to Air Force-wide guidance, Professor Wyld’s report, enablers, news articles, sample specifications and briefings); Naval Inventory Control Point-Philadelphia, auctions.navy.mil, at http://www.auctions.navy.mil (last visited Mar. 21, 2002) (including a reverse auction overview and links to news articles and the two GAO decisions).


113 See, e.g., WYLD, supra note 13, at 8 (quoting one former government official as saying, “It’s clear to everybody that the public sector is behind the private sector when it comes to the use of information technology.”); Meinert Interview, supra note 38 (observing that the digital transformation in the business community compared to that of the DoD is “mind-boggling” and that for the first year or two after the FAR rewrite, no one was willing to undertake a reverse auction).

114 See WYLD, supra note 13, at 43-45 (arguing that public government must undergo a significant “cultural change” before it can truly take advantage of electronic commerce); Meinert Interview, supra note 38 (stating that reverse auctions are such a different process that many people still do not feel comfortable using them).
in the public sector, from the highest elected and appointed officials to the front-line employees in all agencies at all levels of government.”

As a result, despite the high-profile reverse auction success stories, reverse auctions still represent a fairly minuscule portion of the federal government’s vast array of procurement activities. The reasons are myriad and range from the tangible and logistical—technology failures and the cost—to the theoretical and philosophical—resistance to change and concerns about how the government avoids being penny-wise but pound-foolish.

A. Industry’s Distrust of, Unfamiliarity with and Plain Dislike for the Process

While many government users are reverse auction disciples, the method has drawn significant criticism from the private sector: For example, one prominent procurement law report decried the Navy’s first reverse auction as having “used an elephant gun to shoot a flea.” Before the first DFAS auction, “one well-known computer technology vendor refused to participate, saying it did not believe in reverse auctioning and had reservations about whether all the bidders truly would remain anonymous. The company submitted a

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115 WYLD, supra note 13, at 44; see also U.S. GEN. ACCOUNTING OFFICE, DEFENSE ACQUISITIONS: DoD FACES CHALLENGES IN IMPLEMENTING BEST PRACTICES, Feb. 27, 2002 [hereinafter GAO, DEFENSE ACQUISITIONS] (Statement for the Record of Jack L. Brock, Jr., Managing Director, Acquisition and Sourcing Management, and Randolph C. Hite, Director, Information Technology Architecture and Systems) (“Incentives driving traditional ways of doing business, for example, must be changed, and cultural resistance to new approaches must be overcome.”).

116 See e.g., Dan Davidson, Cost-Saving Auctions Fail to Catch on, FED. TIMES ONLINE, Nov. 13, 2000 (quoting Ralph DeStefano, GSA procurement analyst and FAR council staffer, as saying that, “overall...the use of reverse auctions in government is rare”), http://www.federaltimes.com/infotech/111300infotech1.html; GSA GUIDE, supra note 11, at 23 (reporting that “buyers and suppliers are using reverse auctions on only an occasional basis”); Telephone Interview with Alan Thomas, National Account Executive, FreeMarkets, Inc., Pittsburgh (Feb. 4, 2002) [hereinafter Thomas Interview] (offering his opinion that government reverse auctions have not been as pervasive or widespread as anticipated).

117 Auctions: Some Thoughts, THE NASH & CIBINIC REP., July 2000, at 98, 99 [hereinafter NASH & CIBINIC] (charging that using “fancy electronic tools” was inappropriate in this case because there were so few bidders).
proposal to DFAS, urging the agency not to conduct the auction.”

Some critics argue that reverse auctions create the risk of collusion. Collusion, according to one researcher, is one of the two greatest weaknesses of a reverse auction. Reverse auctions are “especially vulnerable to such price manipulation because in most cases there are, by definition, few buyers and sellers engaged in a given auction.”

Yet, another criticism leveled at reverse auctions is that it pits contractors against each other in virtual “hand-to-hand combat [that] unravels all the ... work spent building a relationship-based environment” with suppliers. Collusion might seem unlikely in such an open and fiercely competitive environment, but one detractor says not necessarily: “The

118 Shane Harris, Bidding Wars, Gov’t Exec., May 1, 2001, at 41, LEXIS, News Group File.
119 Smith presentation, supra note 21, slide 14.
120 See Bob Little, Auctions Can Eventually Reverse the Benefits of Competition; Gov’t Computer News, Sept. 1, 2000, at 34, LEXIS, News Group File (in which the contract-law teacher and former GAO attorney argues that removing the secrecy of sealed bidding also removed a “bar to collusion”); Merson, supra note 15, at 12 (reporting the concern that dominant suppliers will “form alliances for the purpose of collusive bidding”).
121 Wyld, supra note 13, at 15-16. Wyld defines collusion as “two or more bidders working in tandem to manipulate the price of an auction.” Id. The other half of this pair is the “winner’s curse.” See infra notes 131-33 and accompanying text.
122 Id. at 16; see also Merson, supra note 15 (contending that “reverse auctions provide unprecedented opportunity, for those who would choose to do so, to attempt to control the bidding process”).

It seems to be too early in the reverse auction experience to gauge just how auctions will impact continuing supplier relationships. However, it is a legitimate concern that procurement officials should monitor closely. In the DoD where contingencies are often a way of life, units must have suppliers on whom they can depend to meet unplanned requirements. The vendor who slashed his prices to rock-bottom may not be willing or able to satisfy the government buyer with unexpected and immediate deployment needs. See Snyder Interview, supra
bidders would quickly decide that (a) a bidding frenzy is stupid, (b) ‘make love not war’ works for them, and (c) if we have to conspire, it’s better than losing money.”

On the other hand, vendors’ auction behavior can actually highlight collusion, by exhibiting bidding patterns that seem to send signals or the lack of bids indicating a vendor has conceded a contract. The “transparency” of online markets may in fact prevent graft, fraud and corruption.

B. Fear That Bidding Will Drive Prices so Low That They Eradicate Any Profit

Much of the criticism from suppliers and contractors is rooted in their bottom line. One procurement consultant said contractors “fear that reverse auctions will push the prices so low that there is no margin left. . . . What will be left to invest in research, especially in the technology industry?” Another industry analyst argues that the perceived focus on price may “alienate quality vendors who already believe their profit margins from sales to the

note 20 (reporting Air Force concerns that the lowest-price focus was not conducive to gaining long-term commitments from suppliers that would help meet contingency requirements).

124 Little, supra note 120.

125 Thomas Interview, supra note 116.

126 See WYLD, supra note 13, at 46 (“[T]he transparency of the cybermarketplace may . . . actually produce more legitimacy in pricing in the public sector.”)

127 See Merson, supra note 15, at 5 (asserting that many government suppliers “already believe that their profit margins are too small”); ITIC letter, supra note 123 (claiming that buyers’ savings “may come from the reasonable profits of the suppliers,” who then could be driven from the government marketplace).

128 Davidson, supra note 116 (quoting Washington, D.C. consultant Ella Schiralli).
federal government are too thin." Government officials admit that eating into the industrial base of certain sectors is a legitimate worry.

Behind these concerns looms the threat of the "winner’s curse," which afflicts a bidder who gets so caught up in the auction frenzy that he bids far more than an item is worth, or, in a reverse auction, far less than he needs to make a profit or perhaps just break even. Wyld cites the "winner’s curse" (also called "buying in") as one of two primary problems confronting online auctions. He says, "[T]he same supply and demand forces that shape markets in the physical realm, and the irrationality that sometimes accompanies them, will be present in the e-marketplace as well—making the winner’s curse a very real issue."

While such a deal harms the contractor, of course, it does not do the government any good either if the contract fails to motivate the contractor to perform up to standards. "The benefits of using online auctions as a procurement technique will be lost if the savings in time and cost are consumed through postaward contract claims, contract terminations due to

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130 See, e.g., Smith presentation, supra note 21, slide 15 (listing the threat to the health of an industry where profit margins are already lean as one of the "cons" of reverse auctions); Scott memo, supra note 108, attachment at 1 (reporting that corporate users also had to monitor the well-being of their supplier base); Ellen Messmer, Defense Dept.'s Online Auctions Spark Controversy, NETWORK WORLD, Aug. 7, 2000, at 1, LEXIS, News Group File (quoting Ken Oscar, acting OMB administrator, as saying that one concern is whether profits are being driven so low that "suppliers can’t invest for the future"); Meinert Interview, supra note 38 (acknowledging that those who conduct reverse auctions have to ensure they keep the industrial base strong). For example, the Army wouldn’t do a reverse auction for lithium batteries because "we only have two suppliers and we don’t want them to kill each other." Id.

131 WYLD, supra note 13, at 18.

132 WYLD, supra note 13, at 15-16; the other is the threat of collusion. See supra notes 120-26 and accompanying text. See also FAR, supra note 23, 3.501-1 (defining "buying in" as submitting offers below anticipated costs in expectation of making up the loss through contract changes or receiving follow-on contracts at inflated prices).

133 WYLD, supra note 13, at 16.
poor performance, or the lack of competition for future contracts. After the first DFAS auction, one participant warned, “When margins are squeezed, corners will be cut.” Some fear that reverse auctions could lead to mediocre results.

How does the acquisitions community solve this problem? The ABA wants the FAR to delineate what constitutes a “fair and reasonable price” in a reverse auction. Professor Wyld proposes a more novel solution: a “Vickery auction,” in which the winning bidder pays the second-lowest price. Thus, if Vendor A bids ten dollars per case of toilet paper, then Vendor B bids eight dollars per case just before the bell, Vendor B wins the right to sell the government his toilet paper—but he will do so at ten dollars per case. The Vickery auction allows reverse auction participants to bid in the full knowledge that someone would have to undercut their own bid in order to secure the buyer’s business for the specific good or service. . . . The Vickery auction takes away some of the “frenzy” from the bidding, allowing prices to be set that are closer to the “true” market value of the item. This is because it allows bidders to be aggressive, while having the knowledge that their competitor(s) will determine the clearing price. . . . With governmental auctions, this may be even more important. This is because the use of the Vickery auction format could help to alleviate most concerns over the propriety of auctions. . . . The winner’s curse is based on what is known as the “greater fool theory.” In simple terms, this means that there may always be someone out there foolish enough to bid more than you . . . !

134 Burke, supra note 76, at 6.

135 Smith presentation, supra note 21, slide 20.

136 See, e.g., Little, supra note 74, at 37 (contending that reverse auctions “result in shoddy work”); ARMY SOURCE SELECTION GUIDE, supra note 107, at 76 (“When using reverse auctions in a best value acquisition, ensure the auction process does not drive prices down to the point that the resultant contract does not provide enough incentive for the contractor to provide quality supplies and services.”); Smith presentation, supra note 21, slide 33 (stating that one concern with reverse auctions is that “buying in” will leave the winning bidder with “no profit (and) no incentive to perform adequately”).

137 ABA Letter, supra note 75.

138 WYLD, supra note 13, at 18 (proposing the use of this Nobel Prize-winning technique developed by economist William Vickery).

139 Id. (citations omitted).
A Vickery auction would thus protect bidders from themselves or other competitors, especially small businesses who could participate "with lessened fears that they would be undercut by larger firms."\(^{140}\) The tradeoff, of course, is that the government pays more for whatever it is buying.\(^{141}\)

Besides the lost savings, using a Vickery auction to avoid the winner’s curse begs the question of whether the government should even be looking for a solution in the first place. If a bidder so lacks self-control that he cannot stop himself from cutting his own throat online, should Uncle Sam really be so paternalistic as to prevent him from doing so?\(^{142}\)

Even more compelling is the lack of even any anecdotal evidence that underbidding is really a problem. Neither published articles nor reports from users in the field seem to document any resulting shoddy performance.\(^{143}\) One government official has heard industry leaders warn of the danger of underbidding leading to substandard results, and every time he has challenged them to give him proof, "no one’s been able to back it up."\(^{144}\)

Reverse auctions are in fact cutting into the profit margins, but quite possible many were not all that slim to begin with. Acquisition staffers are finding that just the possibility of

\(^{140}\) Id. Cf. Harris, supra note 118 (claiming that some sellers participate in reverse auctions with their goal not to win but to drive the price so low that it forces their competitors into money-losing contracts).

\(^{141}\) WYLD, supra note 13, at 18 (acknowledging that "the government would also not be maximizing its savings from the use of supplier auctions").

\(^{142}\) See Meinert Interview, supra note 38 ("Industry says we’re forcing them to give us a price where they lose money. How? Nobody’s holding a gun to their head.").

\(^{143}\) The Navy’s CDR Ellis said he has checked with contracting officers but never heard any negative reports about auction winners’ performance. Ellis Interview, supra note 22. At CECOM, Mr. Meinert agrees: “I have not seen one person fail to deliver” after a reverse auction. Meinert Interview, supra note 38. Mr. Thomas said FreeMarkets has had some customers for five years, “and I have not ever witnessed that type of irrational behavior.” Thomas Interview, supra note 116.

\(^{144}\) Meinert Interview, supra note 38.
reverse auctions appears to be driving prices down.\textsuperscript{145} For example, the Navy had traditionally paid about seventy-five cents apiece for plastic bags used in nuclear repair. The lowest offer—before a planned reverse auction—came in at nineteen cents. The Navy bought the bags without an auction because it could not imagine getting a cheaper price.\textsuperscript{146}

Additionally, although the Navy had to reopen the process (in traditional format) and ask for final price revisions after one of its failed auctions for moving services,\textsuperscript{147} it still ended up saving sixty-seven percent, thanks to the auction bid-downs.\textsuperscript{148} That drastic reduction led contracting officials to believe that perhaps they had been paying too much in past years.\textsuperscript{149}

The mindset among many contracting officers, however, can pose a problem. “They’ve been trained only to drive the price down, but the FAR is pretty clear on the fiduciary duty of a contracting officer—he has a duty to do something when the price is too low.”\textsuperscript{150} In other words, practitioners must never forget that a fair price has “three critical components . . . fair to the buyer; fair to the seller; and fair under market conditions.”\textsuperscript{151}

\textsuperscript{145} The Army has been seeing non-auction, sealed-bid prices twenty-five to thirty percent lower. \textit{Id.} Mr. Meinert believes that before reverse auctions, contractors simply took the historical prices and bid five to ten percent lower. Now, the ever-present possibility of reverse auctions has forced suppliers to look harder for ways to cut costs. \textit{Id.} Similarly, at the Navy, “it seems like because we’ve told them we’re going to do reverse auctions, the proposals come in a lot lower.” Ellis Interview, \textit{supra} note 22.

\textsuperscript{146} Ellis Interview, \textit{supra} note 22.


\textsuperscript{148} Ellis Interview, \textit{supra} note 22.

\textsuperscript{149} \textit{Id.}


\textsuperscript{151} AF REVERSE AUCTIONING POLICY STRATEGY, \textit{supra} note 150, No. 3; see also FAR, \textit{supra} note 23, 15.402(a) (requiring contracting officers to “[p]urchase supplies and services from responsible sources at fair and reasonable prices”); \textit{BuyersGov}, \textit{supra} note 31 (News & Links, Question & Answer No. 34) (stating that
When contracting officials do not grasp that concept, the results can be wasted time and effort, as evidenced by the experience of one Army division in Alabama that did a reverse auction for contract close-out services. The specification was unclear about whether the contractor would perform the services on-site in Alabama (as the customer wanted).\(^{152}\) The bidding started at $120 an hour before eventually a company in Texas chimed in at just seven dollars an hour—a drop of almost ninety-five percent. CECOM warned the Alabama agency that something had to be wrong because the Texas company clearly could not do the job in Alabama for so low a price. Alabama personnel, however, refused to stop the auction. As it turned out, the Texas bidder did think the documents would be sent to it—not that it would come to Alabama. The agency ended up canceling the procurement and starting over.\(^{153}\)

C. Not Doing Your Homework Means a Failing Grade

Slipshod procurements like the Alabama one demonstrate why poor preparation, including drafting specifications, carries the greatest potential for “harm . . . to the integrity of the procurement process.”\(^{154}\) As with every procurement but even more so with reverse auctions, it seems impossible to overemphasize the importance of meticulous groundwork.\(^{155}\)

\(^{152}\) Meinert Interview, supra note 38.

\(^{153}\) Id.


\(^{155}\) See Smith presentation, supra note 21, slide 39 (“Upfront work (is) vital to success.”); ACC Reverse Auction Tacklebox, supra note 20 (“Good up-front acquisition planning is the baseline for a successful Reverse Auction.”).
After surveying corporate users, the Air Force reported that "[t]heir key advice on when RA is an appropriate sourcing strategy can be summarized by saying that advance preparation is critical..."\(^{156}\) Must-have preparation includes well-thought-out requirements, solid market research, a good acquisition plan, and thorough training for participants.\(^{157}\) Prescreening bidders has also proven crucial—although the up-front effort (and sometimes money) to lay the needed groundwork could negate some of the time and cost savings.\(^{158}\)

Both GAO decisions on reverse-auction protests dealt with poorly written specifications. Both also involved the Navy’s attempt to obtain contracts for moving services in the Pacific—one for a requirements contract for packing and crating services on Guam\(^ {159}\) and the second for movement of containers on Oahu, Hawaii.\(^ {160}\)

In the first, *Pacific Island Movers*, the request for proposals stated that the reverse auction would last sixty minutes and also that bids during the last five minutes would extend the auction for an additional fifteen minutes.\(^ {161}\) Only two bidders—Pacific Island Movers and Dewitt Transportation Services—participated, but the limited number of bidders did not translate to a limited number of bids. The auction began on 18 April and was still going—

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\(^{156}\) Scott memo, *supra* note 108, Atch. 1, at 1.

\(^{157}\) Smith presentation, *supra* note 21, slide 39.

\(^{158}\) Merson, *supra* note 15, at 3; see also Snyder Interview, *supra* note 20 (asserting that the reverse auction learning curve—for both the government and vendors—may in fact increase the overall time needed to complete a procurement); *infra* notes 211-12. *But see* Gary D. Stephens, *A Case Study of the Army Reserve Auction* 53 (June 2001) (unpublished thesis, Naval Post Graduate School) (predicting that as vendors gain experience and familiarity with reverse auctions, the advance training will take less time) (on file with author).


but not yet gone—on 19 April at 1400, when the Navy issued an amendment unequivocally ending the auction an hour later, no matter how many last-minute bids came in.\textsuperscript{162}

When the auction finally ended, Pacific had submitted the lowest bid. Dewitt protested to the GAO, alleging, among other things, that the Navy stifled fair competition when it arbitrarily ended the auction.\textsuperscript{163} Conceding a losing battle, the Navy chose not to defend the reverse auction but instead told the GAO it would fix the problem by “reverting to a traditional negotiated competition and requesting final price revisions.”\textsuperscript{164}

GAO then dismissed Dewitt’s protest, the Navy began the process of obtaining the final prices, and Pacific protested the corrective action. The GAO denied Pacific’s protest, finding the Navy’s corrective measures to be reasonable\textsuperscript{165}—but in the next reverse-auction decision cited this first case as exemplifying the pitfalls of “an inept reverse auction.”\textsuperscript{166}

The second decision came just three months after the first. \textit{Royal Hawaiian Movers} was also based on ambiguities in the request for proposals (RFP) regarding how the auction would be conducted and how it would end.\textsuperscript{167} The RFP stated the auction would allow a maximum of fifty extensions and would end no later than 1400 hours local time.\textsuperscript{168} However, if all fifty extensions were used, the auction would last until 1410 hours. Four offerors participated in the auction, and Pacific Express submitted the last offer before 1400.

\textsuperscript{162} Id.

\textsuperscript{163} Id. DeWitt also complained about the malfunction of some auction software. \textit{See infra} notes 176-78 and accompanying text.

\textsuperscript{164} \textit{Pacific Island Movers}, Comp. Gen., B-287643.2, at 2.

\textsuperscript{165} Id.


\textsuperscript{167} Id.

\textsuperscript{168} Id.
Royal Hawaiian Movers submitted the lowest overall bid at 1409:49. The Navy awarded the contract to Royal Hawaiian Movers, and Pacific Express filed an agency protest.\textsuperscript{169}

The Navy, believing that the ambiguous solicitation made the auction "inherently unfair," again was faced with a mess it could not easily clean up. So once again, it converted to a traditional negotiated procurement, reopened the competition and requested final proposal revisions. Royal Hawaiian then protested to the GAO. Although the GAO upheld the Navy's actions, it said, "The circumstances of this case, in our view, highlight the importance of having unambiguous ground rules in reverse auctions."\textsuperscript{170}

Because the actual purchase period is often so compressed during a reverse auction, watertight specifications are critical. The GSA points to a reverse auction for information technology in which the specification failed to address the warranty, after-sale service or a minimum quality standard for vital computer components. Without meticulous specifications, the government could end up with a winning bidder incapable of meeting the agency's needs.\textsuperscript{171}

\textsuperscript{169} Id.

\textsuperscript{170} Id.

\textsuperscript{171} GSA GUIDE, supra note 11, at 8, 8 n.3; see also AMS & FREEMARKETS, supra note 79, at 3 (recommending that buyers expand traditional specifications by adding detail for online auctions). Specifications also must permit "apples to apples" comparisons, especially in auctions for services. For example, if trying to acquire transportation services, it is not enough to tell the suppliers to get people from point A to point B—the specifications should delineate whether the services are to be by ground, air, etc. Thomas Interview, supra note 116. While all this is also true in traditional procurements, if the agency catches the discrepancy early enough in the standard process, it may be able to resolve the problem. But that luxury of time to fix flaws disappears in the middle of a sixty-minute auction. See Royal Hawaiian Movers, Comp. Gen., B-288653, at 4 (observing that "under the time pressure of a reverse auction," firms may have no choice but to continue bidding even if they believe some impropriety has occurred).
D. “I’m sorry, Dave, I’m afraid I can’t do that,”\textsuperscript{172} or the Role of the Computer

Computers—and those who run them—are what have made online reverse auctions possible. But the dependence on technology is fraught with its own potential minefields, ranging from systems that crash to the cost of conducting the auction to whether contracting officers are abdicating their responsibility to machines.

1. Technology failures

Computers are wonderful things—until they quit working. In reverse auctions, Internet and/or systems failures are potentially catastrophic.\textsuperscript{173}

In the Navy’s first reverse auction, the Navy thought the auction had ended at about thirty-eight minutes.\textsuperscript{174} Then FreeMarkets, the auction provider, called and said that one of the bidders had lost connectivity in the middle of the auction. The contracting officer chose to reopen the bidding. The eventual losing bidder—the original winner—protested the award because it thought FreeMarkets had unilaterally chosen to reopen the auction. Once the protestor found out the contracting officer made the decision, it withdrew the protest.\textsuperscript{175}

Besides the sloppy specifications, \textit{Pacific Island Movers} also involved the Navy’s inability to deliver promised “real-time software” that would have allowed each bidder to see

\textsuperscript{172} HAL 9000, the artificially intelligent computer in \textit{2001: A Space Odyssey} (Metro-Goldwyn-Mayer 1968).

\textsuperscript{173} See Mary Galbraith, \textit{Internet Contract Auction Saves Money}, \textit{Hilltop Times} (Hill Air Force Base, Utah), Jan. 25, 2001 (quoting a Hill contracting official as saying that “the process’ weak point is the possibility of a lost Internet connection”), http://www.hilltoptimes.com/archive/20010125/Mainstory.html.

\textsuperscript{174} Ellis Interview, supra note 22.

\textsuperscript{175} Id.; see also ACC Reverse Auction Tacklebox, supra note 20 (Lessons Learned) (recommending that, in case of bidding or connectivity problems, contracting officers reopen the reverse auction to give bidders another chance to submit offers).
its standing in the auction.176 Dewitt complained that, because it could not see its relative position in the auction, it could not actively compete with Pacific, as intended by the reverse auction procedures.177 GAO agreed, stating that “the undisputed software malfunctions . . . called into question the fairness of the competition.”178

The Army has a help desk available during every auction and gives each vendor training on how to handle problems such as connectivity losses.179 The solicitation for GSA’s enabler services requires the enabler to provide the “ability to recover from a catastrophic outage (i.e., ability to re-create the Reverse Auction from the point of failure)”180 and a “pause” capability to halt the auction if one of the bidders loses communications (or a similar method to handle system failures).181

2. The cost of doing business

While a good auction provider can mitigate some of the danger of a system failure, the services do not necessarily come cheap: For “simple” auctions, the cost under the Navy’s

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177 Id.

178 Id.; see also Snyder Interview, supra note 20 (reporting that the Air Force also cancelled one of its reverse auctions and requested final paper bids because of software problems).

179 Meinert Interview, supra note 38.

180 FedBizOps.gov, supra note 34 (Solicitation No. 7TS-01-0001, para. B.5.b).

181 Id. (Solicitation No. 7TS-01-0001, para. B.6.g). Auction provider FreeMarkets’ services include setting up an operations center during the auction, where personnel monitor the bidding and troubleshoot any problems. Thomas Interview, supra note 116. If necessary, FreeMarkets will provide “surrogate bidding” for a vendor or make arrangements for a participant to bid over recorded telephone lines. Surrogate bidding involves the enabler entering the bids for the supplier, either over the telephone or online. Id. See also GSA GUIDE, supra note 11, at 11 (recommending use of a “phone bridge” for backup communications during the auction).
contract is one to two percent, with a $500 minimum and a $10,000 maximum. "Full-
service" users will pay $20,000, $25,000 if the service provider also does market research. GSA’s Buyers.Gov charges a fee of two to nine percent, depending on the size of the sale.

Additionally, these companies are vulnerable to the same troubles that have beset the rest of the “dot.com” industry. For example, FedBid.Com conducted the SBA’s auction for professional services in November 2000. By December 2000, the company had shut down due to lack of funding. One industry analyst anticipated that half the seventy “e-government” companies will go off-line in 2002.

3. *Whose line is it, anyway?*

Additionally, some question how much the reverse auction providers can actually do. Are reverse auctions an inherently government function—one so “intimately related to the public interest as to mandate performance by government employees?” The OFPP has specifically categorized approving contract documents, awarding contracts and administering contracts as inherently governmental functions.

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183 Jackson, *supra* note 30.


186 Wakeman, *supra* note 185.

Attorneys for the DLA’s Defense Supply Center-Philadelphia warn against allowing reverse auction enablers to do too much: “The agreements with them must be structured to avoid their performing inherently governmental functions... including approving contract documents and awarding and administering contracts.”

DIBBS, the Defense Supply Center-Columbus e-commerce procurement system, has a built-in screening program. Once the auction closes (always at 1700 hours on the solicitation return date), an “automated awards program takes all the bids and applies a sophisticated price-reasonableness algorithm to evaluate the bids. If the offers pass various tests involving contractor reliability and price reasonableness,” the system automatically shoots an e-mail message to the winning contractor notifying it of award, followed by a second message with the contracts attached. Close to half the online procurements are completely automated—handled entirely with no human intervention by a computer in a process that takes less than a minute from the auction close to the online contract delivery. DIBBS highlights questionable or non-routine bids that need oversight by human eyes.

During DIBBS’ first three months online, DSCC used it to make 863 fully automated auction awards. DSCC realized monetary savings in only slightly more than a third of those procurements, for a total of about $147,000—but officials also touted the reduced lead time and labor, which allowed DSCC personnel to focus on more complex acquisitions.

188 Id.

189 DSCP Reverse Auctioning, supra note 110; see also Buyers.Gov, supra note 31 (News & Links, Information Technology Association (ITAA) Questions & Answers, No. 17) (“At no time will the enablers approve contract documents, award contracts or administer contracts.”)

190 Pavilkey, supra note 40.

191 Id.

192 Id.
DIBBS is an in-house governmental system, not a contracted-out function, so arguably it follows the technical letter of the OFPP policy on inherently governmental functions. The question of whether it adheres to the spirit of the law is more troubling. OFPP states that inherently governmental functions “include those activities that require either the exercise of discretion in applying Government authority or the making of value judgments in making decisions for the government.”\textsuperscript{193} No matter how “sophisticated” the “price-reasonableness algorithm,” a computer still cannot exercise discretion or make a value judgment.

Even if one accepts that the OFPP inherently governmental policy does not apply to DSCC’s automated contracting activities, it does not necessary follow that completely automated contract award is appropriate. The FAR is explicit about who has responsibility for awarding contracts—and it is not a machine. Only \textit{contracting officers} have the authority to enter into contracts,\textsuperscript{194} and the \textit{contracting officers} “shall” award the contract.\textsuperscript{195} “\textit{No contract shall be entered into unless the \textit{contracting officer} ensures that all requirements of law, executive orders, regulations, and all other applicable procedures . . . have been met.”}\textsuperscript{196} Admittedly, requiring a live body to sit at the computer and simply rubber-stamp the electronically made decision may seem a triumph of form over substance. But slavish devotion to the gods of technology and automation can end up sacrificing the integrity of the process. As the Air Force warns, “Regardless of the acquisition method, contracting officer

\textsuperscript{193} OFPP Policy Letter 92-1, \textit{supra} note 187, para. 5.

\textsuperscript{194} FAR, \textit{supra} note 23, 1.602-1(a).

\textsuperscript{195} \textit{Id.}, 14.408-1(a) (for sealed bids), 15.303(c) (negotiated procurements).

\textsuperscript{196} \textit{Id.}, 1.602-1(b) (emphasis added).
responsibility still prevails.”¹⁹⁷ When contracting officers cede that responsibility and control, the credibility of and public faith in the government procurement system suffer. For example, one government contractor in Columbus has reservations about the DSCC system’s ability to distinguish higher priced but better value offers.¹⁹⁸ He is right—a computer cannot be that discerning.¹⁹⁹

E. When the Best Price Is Not the Best Deal

That clash between price and value is perhaps the most intense—and certainly one of the most valid—concern regarding online auctions. One acquisitions staffer admits, “Collectively, in the DoD, we are too focused on just price in reverse auctions.”²⁰⁰

Some government vendors also fear that the price will trump consideration of best value.²⁰¹ One critic charges, “A reverse auction by definition must result in an award based

¹⁹⁷ Boykin presentation, supra note 21, slide 12; see also Buyers.Gov, supra note 31 (News & Links, ITAA Questions & Answers, No. 17) (“The government has not given up control and does not intend to give up control of its procurement process by using auction techniques . . . . There will always be contract specialists and contracting officers involved in the process, ensuring that the integrity of the process is intact.”).

¹⁹⁸ Pavilkey, supra note 40 (quoting Eric Tubbs, government contracts manager at Columbus Equipment Co.). Tubbs gives the example of a contractor who offers two filters, one cheaper but less efficient, while the more expensive filter is also more effective. “That isn’t necessarily going to show upon the bid,” Tubbs says. “. . . I question whether an automated system can adequately evaluate the technical issues involved.” Id.

¹⁹⁹ See also infra notes 216-20 and accompanying text (discussing automated best value selection).

²⁰⁰ Meinert Interview, supra note 38. The Air Force also found that “in the long term, with most of the stuff we buy, price and only price is not in the best interest of what we do.” Snyder Interview, supra note 20.

²⁰¹ See, e.g., Burke, supra note 76, at 2 (noting the apprehension that auctions “place undue emphasis on price in a procurement in relation to its importance in the evaluation criteria”); Davidson, supra note 116 (quoting one industry leader as saying that “there is a profound concern that they will do away with value and put the emphasis squarely on price”); Harris, supra note 118 (warning of industry’s worries “that the government will end up with a fleet of Yugos”).

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purely on price. It does not permit differing technical evaluations of competing products.”\textsuperscript{202}

Another industry observer claims, “It is impossible to do a proper best value award on a reverse auction.”\textsuperscript{203}

Proponents disagree. The GSA asserts: “Reverse Auctions do not preclude the use of best value criteria for consideration in the contract award. You must not consider only the price, but also the technical management and past performance of the bidder.”\textsuperscript{204}

When the government first began using reverse auctions for online procurement, the lowest price technically acceptable bid award was more common, because they are simpler and more applicable to commodities. As we have progressed in our thinking about the use of reverse auctions for online procurement, we now see that reverse auctions are an effective tool for promoting best value selection during the procurement process.\textsuperscript{205}

During its September 2000 studies, SAF/AQC found that most corporate users did \textit{not} in fact award solely to the lowest bidder but instead made reverse auction awards on a best value basis.\textsuperscript{206} FreeMarkets has done about 17,000 reverse auctions, mostly for the private sector—and the low bidder lost out in about half.\textsuperscript{207}

Accomplishing this “best value” consideration probably will require at least two steps. Contracting officers may have to first get information such as technical proposals from

\textsuperscript{202} Ryan, \textit{supra} note 74, at 22. Ryan also calls reverse auctions “antithetical to the principle . . . of using best value and past performance.” \textit{Id.}


\textsuperscript{204} GSA GUIDE, \textit{supra} note 11, at 3.

\textsuperscript{205} \textit{Id.} at 1. \textit{Cf.} Stephens, \textit{supra} note 158 (manuscript at 61) (maintaining that a lowest-price, technically-acceptable acquisition is the best choice for reverse auctions because it minimizes the selection factors other than price, which in turn simplifies the procurement as well as keeping it objective).

\textsuperscript{206} Scott memo, \textit{supra} note 108, attachment at 1.

\textsuperscript{207} Thomas Interview, \textit{supra} note 116; \textit{see also} Amy Santenello, \textit{Government Uses of Internet Auctions}, META GROUP DELTA, July 24, 2001, at 1, LEXIS, News Group Files (reporting a claim that best value reverse auctions lead to award to the lowest bidder in only about five percent of the auctions).
bidders to evaluate those non-price factors. The reverse auction then becomes simply a "price negotiation tool." The Air Force’s guidance envisions a similar phased approach: Phase I involves determining supplier capability to meet the agency’s needs; the second phase is the reverse auction to establish the best price, followed by the last phase of determining best value and bidder responsibility in order to make the final award.

In January 2001, the Ogden Air Logistics Center (ALC) at Hill Air Force Base, Utah, used a reverse auction for a best-value acquisition for airplane parts. Contracting officers first screened potential bidders based on past performance. Vendors had to document their capability to provide a quality product. Those who did not submit the required information were denied the user name and passwords required to participate in the auction. The advance preparation added weeks to the process, although AFMC officials touted the auction as a “way to streamline the contracting process and make it faster. . . .”

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208 GSA GUIDE, supra note 11, at 1; see also Meinert Interview, supra note 38 (noting that the Army has also used this approach with good results); AFMC Reverse Auctioning, supra note 93 (providing the Navy’s sample instructions, which advise offerors that initial proposals would be used to establish the competitive range, and then the auction would be used as “discussions” to allow offerors to revise their price proposals); ACC Reverse Auction Tacklebox, supra note 20 (reporting that this two-step process has seemed to work well).

209 AF REVERSE AUCTIONING POLICY STRATEGY, supra note 151, No. 13. The Air Force labels using reverse auctions in the best-value environment as "can-do"—but only with such a three-phased approach. Id.; see also ITIC letter, supra note 123, at 2 (recommending that the government evaluate factors other than price before the auction, conduct the auction to determine price, then perform an “integrated evaluation of both price and factors other than price to quantify the ‘Best Value’ ”); AMS & FreeMarkets, supra note 79, at 3-4 (suggesting qualifying bidders before the auction and evaluating bids and weighing “all relevant factors—not just the price”—after the auction to make a best value award); Richard Rector, As E-Buying Hits Fed World, Time to Draw Lines, WASH. TECH., May 22, 2000 (asserting that this three-step method would “provide the government with the best of both worlds”—the lowest price and the best value), http://www.washingontechology.com.

210 Galbraith, supra note 173.

211 Id. Hill also ran a mock auction with practice bids, documenting problems and gathering recommendations from vendors. Together, the contracting officers and the potential vendors made fifteen recommendations to improve the process—fourteen of which were accepted by the Army, which provided the system. Most were aimed at simplifying the process or making the site more user-friendly for the bidders. Id.

212 Id. After eighty minutes of bidding, the Air Force had realized savings of about nineteen percent. In this auction, not only did the competing vendors have real-time views of the bidding, but staffers at other ALCs and the Secretary of the Air Force acquisitions office watched the online action from their own computers. Id.
The Army’s CECOM developed an award-winning program to help buyers evaluate bids on subjective quality factors and variables such as warranties, quality guarantees, etc.\textsuperscript{213} The Army now is able to give added weight (e.g., an extra ten points to the bidder’s total score) for options such as upgraded power, faster performance, more responsive service, etc.\textsuperscript{214} The weighting occurs simultaneously with the bidding, and bidders see their score or range online. As with traditional procurements, contracting officers still have to do a source selection plan and provide a rationale for how the award decision will be made, with the evaluation factors fully explained up front to the bidders.\textsuperscript{215}

Enablers or auction service providers offer a variety of methods to conduct an auction that does not focus solely on price. FreeMarkets, for example, can build a decision matrix into the software that would allow the customer to give various weights to each of three different payment options, or it can even give the bidders an on-line ranking.\textsuperscript{216} GSA says its enablers offer some tools that will automate best value evaluations, as well as separating price from subjective and technical assessments when needed.\textsuperscript{217} However, GSA stressed:

\textsuperscript{213} Shane Harris, \textit{Acquisition Awards—Army, BestBuy.Gov, GOV'T EXECUTIVE}, Aug. 1, 2001, http://www.govexec.com/top200/01/top/army.htm. Experience led the Army to realize that a best-value determination should be an option in reverse auctions. “Gateway would call in the middle of an auction and offer a flat screen,” instead of the traditional screen, and CECOM had no way to take advantage of that feature. Meinert Interview, supra note 38.

\textsuperscript{214} Meinert Interview, supra note 38. For example, the Army was able to factor in the speed of service for an Army customer in Germany that wanted on-site service within three days. \textit{Id}.

\textsuperscript{215} \textit{Id}.

\textsuperscript{216} Thomas Interview, supra note 116.

\textsuperscript{217} Buyers.Gov, supra note 31 (News & Links, ITAA Questions & Answers, No. 2). Optional “value added” features discussed in the outstanding enabler solicitation include the “ability to accommodate variables other than just a price comparison (e.g., delivery time, warranty, stock availability, etc.),” software that allows the government to define best-value evaluation criteria, and “real-time evaluation of bids based on best value designated variables.” FedBizOps.gov, supra note 34 (Solicitation No. 7TS-01-0001, para. B.7).
“It is important to note that the entire process will be monitored by Government personnel. All award decisions will be made by Government personnel.”

GSA is right to be concerned. Using an automated best value evaluation capability suffers from the same weakness as the DIBBS contract award system. It abdicates the selection decision to a machine, while the FAR places the responsibility for choosing among offerors on the source selection authority (SSA).

Although the SSA may rely upon analyses and the like in making its determination, GAO may understandably reject an award in which the SSA relies too heavily on a predetermined, routinized “best value” formula to reach an award decision. Indeed, GAO has ruled on a number of occasions that a mathematical tradeoff formula may be used as one source selection tool, but it has insisted that qualitative assessment is still required.

F. Not a Perfect Match for Everything

Part of the reverse auction growing pains have been users’ difficulty and inexperience in determining which types of procurement are appropriate for reverse auctions. No one says that reverse auctions are a one-size-fits-all solution.

A significant number of reverse auctions have been for information technology (IT) products—in fact, the Army has promoted IT products as “good candidates” for reverse

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219 See Palmer et al., supra note 67, at 8 (concluding that FAR Part 15.308 “clearly requires that the source selection decision be made by the source selection authority and not by a software package”).

220 *Id.* at 8-9.

221 See, e.g., Smith presentation, supra note 21, slides 38-39 (stating that a reverse auction should be used only where “it makes sense”); Stephens, supra note 158 (manuscript at 63) (“Reverse auctions are not ‘silver bullets’ designed for use in all situations.”); Harris, supra note 118 (“The prevailing wisdom among buyers, sellers and providers of auction services is that the technique is one more tool in the procurement toolbox.”).
auctions. Commercial, “off-the-shelf” type items or commodities (e.g., toilet paper in bulk) are natural subjects for reverse auctions as well.

Some detractors, however, take it a step further and say the DoD should not use reverse auctions for anything other than buying fungible commodities. One skeptic argues that the Navy’s groundbreaking purchase of ejection seats is exactly what the military should not do, because it puts pilot safety at the mercy of a component made by the lowest bidder.

Air Force procurement officials are wary, as well, about using reverse auctions in the sustainment arena versus the operational side of the house. They cite the complexity of the acquisitions (fewer commercial products), the lack of competition (almost two-thirds of the

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222 Chris Vuxton, Analyst, Office of the Deputy Assistant Secretary of the Army (Procurement), “Reverse Auctions,” Presentation at the U.S. Army Corps of Engineers Principal Assistant for Contracting Roundtable 2001, Slide 8 (June 14, 2001) [hereinafter Vuxton presentation] (on file with author). See also Meinert Interview, supra note 38 (stating that IT requirements are by far the easiest to fulfill through reverse auctions because they can be so clearly defined); AFPC Press Release, supra note 22 (reporting that the Air Force Personnel Center called its purchase of 833 computers “an ideal requirement for online auctioning”).

223 See, e.g., Stephens, supra note 158 (manuscript at 65) (asserting that reverse auctions are most appropriate for these types of items); ACC Reverse Auction Tacklebox, supra note 20 ("Commercial items with build to print specifications are the most lucrative targets."). DoD acquisition guidelines say reverse auctions are useful techniques for determining a fair and reasonable price, as well as bringing competition, to commercial item procurements. OSD HANDBOOK, supra note 105, at 13. The Marine Corps Regional Contracting Office Southwest had plans to buy at least one-fourth of its commodity-type items through reverse auctions. ABM Online, supra note 51. Almost all DSCC’s reverse auction buys were for mechanical parts—transistors, brake drums and shields, semiconductors, tires and wheels, etc. DIBBS Auction Records, supra note 41.

224 See, e.g., NASH & CIBINIC, supra note 117, at 99 (expressing reservations about using reverse auctions for buying complex items); Davidson, supra note 116 (quoting one industry representative as saying reverse auctions are “appropriate only for a limited number of interchangeable, nontechnological products"). An Army researcher who studied CECOM’s first forty-three auctions found that eight were for “military unique items,” built to agency-written specifications. Twenty-five were for IT-related products, six were for appliances such as dishwashers, and four were for “other” items (e.g., the goats). Of the eight military-unique items, none was for a new requirement—all were for previously developed and procured items. The researcher concluded that the DoD should not employ reverse auctions to fill new requirements for items built to military-developed specifications. Stevens, supra note 158 (manuscript at 49-51).

225 Ryan, supra note 74; cf. Snyder Interview, supra note 20 (noting that AFMC’s auctions for airplane components were for “non-safety-of-flight parts”). But see Ellis Interview, supra note 22 (stressing that the reverse auction contracts required the “same 100 percent quality assurance tests that were required in the traditional procurements”).
sustainment spare contracts in fiscal year 1999 were sole-source awards), and the possibility of compromising flight safety as cautionary issues.226

Moving beyond any type of product into the realm of auctioning for services makes even some government officials a little leery. Deidre A. Lee, DoD director of procurement and former OFPP administrator, has said, “I think reverse auctions work well for commodities or products. I’m a little less sure about how we expect to buy best-value services.”227 Using reverse auctions for services—especially those with complex requirements or without well-defined specifications—can increase the risk of unsatisfactory results.228

One researcher, however, wants to see reverse auctions extended to service contracts:

Recently, the dollars spent by the ... DoD on services surpassed the amount spent on goods. The future use of the reverse auction in acquisition for services is a logical path. ... The question is not whether to use or not use a reverse auction for the acquisition of services, but when.229

226  Major Randy Looke, Air Force Material Command Contracting Office, Presentation, “Reverse Auctioning in the Sustainment World,” slides 2, 3, 6 (Aug. 2000), at https://www.afmc.mil.wpafb.af.mil/HQ-AFMC/PK/pko/revauctn.ramain.htm. However, a recent GAO report found the Navy, Marine Corps and DLA were experiencing worrisome price increases for spare parts—an annual average of twelve percent for the Navy and fourteen percent for the Marine Corps and as much as 1000 percent or more a year for a few parts bought by DLA. GAO, DEFENSE ACQUISITIONS, supra note 115, at 21-22. A reverse auction could, in the right circumstances, provide a viable option to help curb such costs.

227  Dawn S. Onley, Procurement is a People Business: Interview with Deidre A. Lee of DOD; Gov’t COMPUTER NEWS, July 23, 2001, at 17, LEXIS, ASAPII Publications—Federal Public Contracts; see also Ryan, supra note 74 (urging the FAR councils to “warn agencies away from purchasing . . . services” through reverse auctions).

228  Buyers.Gov, supra note 31 (News & Links, Question & Answer No. 31). For example, one of the flaws in the Navy’s first failed auction for moving services was the extensive requirement that included 170 line items. Each line item required a minimum price, and any one or all could be revised, a process that significantly complicated the auction. Ellis Interview, supra note 22.

229  Stephens, supra note 158 (manuscript at 66). The 2002 National Defense Act also requires the DoD to “establish and implement a management structure for procurement of services” comparable to that for procuring products. GAO, DEFENSE ACQUISITIONS, supra note 115, at 6.
Reverse auctions may work for procuring services "as long as they are non-complex and well-defined." The ability to articulate and delineate the needed services and their required features is critical. Potential candidates include training, security, janitorial and housekeeping, printing operations, groundskeeping, vehicle maintenance and lodging.

GSA also says reverse auctions work best for "high dollar" purchases—those of at least $500,000—because of the time needed to prepare, the administration costs, economies of scale and volume discounts. Yet some of the Army's auctions have been for total dollar values of less than $10,000, including one for five fax machines with a beginning total cost estimate of $2500 and a final price of $2200—a savings of only $300.

Despite the conflicting views, agencies are not totally bereft of any guidance on when reverse auctions are appropriate. The Air Force's research gleaned three baseline prerequisites from corporate-sector experience that apply no matter what the type of

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230 GSA GUIDE, supra note 11, at 9.

231 See id.; Robert L. Neuman, The Basics about Reverse Auctioning, PURCHASING TODAY, Nov. 2001, at 18 ("Anything that you can describe well can be reverse-auctioned. This includes goods and services. The key is that the item must be discrete—that it has features that are well-measurable."). http://www.ism.ws/Pubs/ISMMag/110118.cfm. In the SBA auction for construction services, each participant conducted a pre-bid inspection. Additionally, the auction provider ensured that all bids complied with access requirements of the Americans with Disabilities Act. PR Newswire, FedBid.Com, supra note 37.

232 See Buyers.Gov, supra note 31 (News & Links, Question & Answer No. 2); GSA GUIDE, supra note 11, at 9 (also suggesting operating 24-hour communications centers and conference facilities); AF REVERSE AUCTION POLICY STRATEGY, supra note 150, No. 10 (contending that agencies should seriously consider reverse auctions for services that are available in the commercial marketplace); AMS & FREEMARKETS, supra note 79, attachment A (listing thirty-eight services it considers potentially appropriate for online public auctions).

233 Buyers.Gov, supra note 31 (News & Links, Question & Answer No. 30); GSA GUIDE, supra note 11, at 4, 8. Most GSA auctions have been for procurements of at least $1 million. GSA GUIDE, supra note 11, at 10. See also Merson, supra note 15, at 14 (asserting that experience has shown that reverse auctions work best for "large dollar-value auctions for individual agencies (or) aggregated small buys for multiple users"); cf. Harris, supra note 118 (quoting some government officials as saying vendors will not want to compete for small buys).

234 Appendix 1, infra.
procurement: "The presence of a number of competent, competitive suppliers; the presence of a clearly defined requirement that competitors find attractive; and management support for changing suppliers if needed."  

G. Mom and Pop and Farmer Bob in Cyberspace

The type and dollar value of a procurement used in a reverse auction also will impact who the bidders are, especially when it comes to small businesses. Opinions vary widely about whether reverse auctions will open up new territory to small businesses or create even more barriers to their full participation. Some say the technology investment and expertise are so formidable that small businesses either cannot or will not be part of reverse auctions. Others fear that dominant contractors may force competitors out of the market and that "Mom and Pop" vendors may find reverse auctions difficult.

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235 Both Army and Navy officials also said they had found that reverse auctions with only two suppliers were at risk for unsatisfactory results. Ellis Interview, supra note 22; Meinert Interview, supra note 38; see also Thomas Interview, supra note 116 ("We start to get nervous when there are just two (bidders), although we have done a number of successful auctions with only two."); AF REVERSE AUCTION POLICY STRATEGY, supra note 150, No. 5 (asserting that "using RA for an acquisition with less than three participants should not be viewed as a smart business decision"). CECOM's spreadsheet shows several instances in which only one vendor actually "showed up" to participate in the auctions. In those cases, obviously, the starting prices was also the winning bid and the customer realized no savings. Appendix 1, infra.

Yet the Army's statistics also show that the number of suppliers guarantees neither success or failure. In one auction for eyepiece assemblies, only two vendors participated—but the final bid was $228,500, a fifty-two-percent savings off the starting price of $550,000. On the other hand, four suppliers came to bid on computer systems for the State Department, but none was willing to offer anything less than the starting price. Id.

236 Scott Memo, supra note 108, attachment at 1. The DAU offers similar guidelines: "The presence of an "established competitive environment," which reduces the risk to both the contractors and the agency; the ability to determine a baseline starting price; a well-defined specification—again, reducing the risk to both sides; and true cost savings from the auction—including the "hidden" costs such as the auction expenses, the costs of possibly changing suppliers, etc. Smith presentation, supra note 21, slide 38.

237 Merson, supra note 15, at 5.

238 Smith presentation, supra note 21, slide 15.
However, such worries underestimate the extent to which the computer age has pervaded business and the equalizing impact of online transactions. "The Internet in particular is helping to level the playing field among large and small businesses . . . . by making it easier and cheaper for all businesses to transact business and exchange information." After all, bidding a reverse auction requires only a computer and a telephone line, equipment that is well within the reach of most homes in America, not to mention practically every business.

In the Army’s experience, an estimated sixty to sixty-five percent of the auction winners have been small businesses. During the reverse auction for goats, "there were guys in their barns logged onto AOL bidding"—farmers who knew more about auctioning that Army officials did, thanks to their long experience with livestock auctions. In the Navy’s auction pilot, small businesses captured four out of five contracts and have secured an estimated twenty-five percent of the contracts since then.

Small businesses may actually be better equipped to take advantage of the split-second decision-making required by reverse auctions. A smaller firm can have all its top decision-

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239 Id., slide 32.
240 Merson, supra note 15, at 5-6 (quoting the ECON. & STATISTICS ADMIN., U.S. DEPT. OF COMMERCE, DIGITAL ECONOMY 2000 (June 2000)).
241 See GSA GUIDE, supra note 11, at 13 (“Reverse auctions are small-business friendly since you need only a web browser to participate in e-commerce.”) For example, FreeMarkets “BidWare” software for reverse auctions needs only an IBM-compatible Pentium class personal computer, a modem capable of transmitting at 28.8 kilobytes per second, and thirty-two megabytes of random access memory. Joshua A. Kutner, Navy Boards Online Auction Boat, NAT’L DEF., June 2000, at 23.
242 Meinert Interview, supra note 38.
243 Harris, supra note 213 (quoting Eric Levin, vice president of marketing for Frictionless Commerce, the software provider for the auction).
244 Meinert Interview, supra note 38.
245 Ellis Interview, supra note 22.
makers in the same room during an auction, allowing them to react immediately to the bidding action. Huge corporations that have officers scattered across the country may not be capable of such response flexibility.\textsuperscript{246}

Ensuring that small businesses are able to participate in reverse auctions may take some extra effort on the part of contracting officers—but really no more so than traditional small business set-asides or similar programs. When the Army Forces Command conducted its first reverse auction, buying forty computers at Fort Hood, Texas, it did so with only small or small disadvantaged businesses.\textsuperscript{247} The Army researched the market using existing GSA computer-equipment supply schedules to identify appropriate candidates.\textsuperscript{248} When a Navy customer held a reverse auction for wooden pallets, it wanted to ensure that long-time Amish suppliers could continue to compete. To accommodate the Amish vendors’ religious beliefs, which prohibit the use of electronic equipment, FreeMarkets provided surrogate verbal bidding.\textsuperscript{249}

Additionally, the transparency of online auctions—the fact that bidders “can see why they won or lost in real time because it’s right there on the screen”\textsuperscript{250}—may actually enhance

\textsuperscript{246} Id. (pointing out that small businesses may in fact have an advantage over larger companies).

\textsuperscript{247} FORSCOM’s First Reverse Auction Conducted at Fort Hood, ARMY ACQUISITION REFORM NEWSLETTER (U.S. Army Acquisition Corps), Sept. 26, 2000, at 1.

\textsuperscript{248} Id. Auction preparations took about six days, but the Army made the delivery order award on the same day as the auction. Id.

\textsuperscript{249} Thomas Interview, supra note 116. Another way of “spreading the wealth” in a reverse auction is to break procurements into lots or other logical groupings of the items. Not only does this sometimes simplify the acquisition, it allows the agency to award contracts to multiple vendors. For example, in the first DFAS auction, three companies won contracts for four lots—two very large companies, Gateway Computers and Micron Computers, and one small business, SR Tech. GSA GUIDE, supra note 11, at 18.

\textsuperscript{250} Meinert Interview, supra note 38; see also Buyers.Gov, supra note 31 (News & Links, Question & Answer No. 33) (stating that reverse auctions give small businesses an unmatched ability to receive “immediate real-time market data on the pricing of their goods and services”).
small businesses’ faith in the government procurement process. The GAO recently criticized
the DoD for failing to adequately compete multiple-award contracts and procurements for
information technology products. Yet one of the advantages of a reverse auction is the
“increased participation in bid activity and access to new suppliers and markets.”
Reverse auctions, at a minimum, give the appearance of being more fair and open, offering
small businesses a chance to pick up contracts that might ordinarily gone to the agency’s
preferred vendor among existing IDIQ contracts or supply schedules.

I. But What About Everything Else?

Even if reverse auctions are in fact small-business friendly, how does the agency go
about applying other socioeconomic preferences? The answer, according to those who
have been there and done that, is exactly the same way the agency would satisfy those
requirements in a traditional contract—“anything you can do offline, you can do online.”

GSA guidance adds:

251 See GAO, DEFENSE ACQUISITIONS, supra note 115, at 19–20 (noting in that as many as seventy percent of
the contracts studied, the DoD organizations failed to give contractors “a fair opportunity to be considered”).

252 Smith presentation, supra note 21, slide 12; see also GSA GUIDE, supra note 11, at 1 (claiming that reverse
auctions open up competitions to suppliers who might not have been allowed to participate under methods such
as the “standard ‘get three quotes’ model”); Buyers.Gov, supra note 31 (News & Links, Question & Answer
No. 33) (maintaining that reverse auctions will enhance small businesses’ ability to find and respond to
government procurement opportunities).

253 Meinert Interview, supra note 38; see also Air Force Aims High, supra note 59, at 7 (asserting that
participants in reverse auctions gained the assurance that “the government is not simply selecting its favorite
suppliers”).

254 See McCaleb, supra note 73, at 3 (contending that the method of applying socioeconomic policies in a
reverse auction is still unresolved); Merson, supra note 15 (stating that reverse auctions’ impact on social and
economic procurement programs has yet to be determined).

255 Thomas Interview, supra note 116; see also Meinert Interview, supra note 38; Ellis Interview, supra note 22
(both asserting that contracting officers apply the same procedures in reverse auctions as they would in
traditional procurements).
Government reverse auctions are like any other government procurement. A Reverse Auction is merely a different way of negotiating and arriving at a fair and reasonable price through dynamic pricing. The requirements of the procurement process do not change with the use of reverse auctions. The applicable FAR clauses, whether they pertain to—say—the Buy American Act (BAA) or the Trade Agreements Act (TAA), small business participation, or another area, will be in, or be referenced in, the solicitation.\textsuperscript{256}

In fact, “nothing has changed” could well be the motto for DoD procurement officials involved with reverse auctions. Reverse auctioning, they say, is a contracting tool, not a new kind of contract, so “[r]egardless of the method of acquisition and price strategy, the fundamental philosophy and policy do not change.”\textsuperscript{257}

However, that maxim oversimplifies reality. If, for example, reverse auctions are treated as discussions over price, how is the socioeconomic preference actually factored in? One suggestion has been to use some type of “weighted bid model” or “bid modifiers” after the auction ends to take into account such things as socioeconomic preferences.\textsuperscript{258} Yet, as discussed above, one of the much-ballyhooed advantages of reverse auctions is the instant feedback it gives bidders, telling them immediately how they rank against other participants. Coupled with the fact that the bidders are anonymous (and thus participants presumably do

\textsuperscript{256} GSA GUIDE, supra note 11, at 9; see also Vuxton presentation, supra note 222, slide 8, (“The auction should be seen as a complement to the procedures that are already in place for conducting an acquisitions—not a method to skirt” FAR requirements); Merson, supra note 15, at 7 (warning against using reverse auctions to avoid required suppliers such as nonprofit agencies employing people who are blind or severely disabled or the Federal Prison Industries); ACC Reverse Auction Tacklebox, supra note 20 (“As always, depending on the dollar threshold, socioeconomic considerations . . . must still be considered.”); Smith presentation, supra note 21, slide 32 (asserting that one of the lessons learned through reverse auction use is that socioeconomic goals can be fulfilled).

\textsuperscript{257} Boykin presentation, supra note 21, slide 17; see also Thomas Interview, supra note 116 (“The same rules apply—we’re just changing how negotiations happen.”); GSA GUIDE, supra note 11, at 4 (“The laws and government regulations that apply to ordinary acquisitions also apply to reverse auctions.”).

\textsuperscript{258} GSA GUIDE, supra note 11, at 5-6.
not know if they are competing against, for example, a woman- or minority-owned business), an ex post facto weighting does not accurately reflect a bidder’s auction standing.\textsuperscript{259}

Granted, bidders face this same dilemma in a traditional procurement—but acquisition officials do not tout the immediate transparency of paper-based contracting. There is nothing inherently wrong with weighting bids after the auction ends, but it does degrade from the accuracy of the real-time feedback.

V. Conclusions and Recommendations

Even the most vocal critics seem to realize that e-commerce, including reverse auctions, is here to stay.\textsuperscript{260} Some observers say that the “Internet Revolution” is a technological revolution similar to—but far faster-paced and intense than—those prompted by innovations such as the steam engine, the telephone and the television. In their eyes, society is on the cusp of an unprecedented historical transformation from an economy where e-commerce is an enhancement of traditional business methods to the point where it becomes “simply the way things work.”\textsuperscript{261}

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\textsuperscript{259} See McCaleb, supra note 73 (suggesting that perhaps the socioeconomic preference should be applied through software that adjusts the price in real time “so that offerors are aware of the ‘real’ bid against which they are competing”). The DSCC’s DIBBS provides a public, real-time abstract of all qualifying bids that includes not only total quoted prices but also “other factors that could affect price evaluation,” such as the Buy American Act. DIBBS AUCTION USERS GUIDE, supra note 40, at 4. See also supra notes 214-17 and accompanying text (discussing real-time weighting and ranking of bids in best-value procurements).

\textsuperscript{260} See Rector, supra note 209 (calling for public debate to put appropriate limits on federal reverse auction use but acknowledging that “the concept of e-acquisition has clearly arrived”); Flexico, supra note 129 (recognizing that while many suppliers dislike reverse auctions, “they are likely to be a permanent addition to the toolbox of government acquisition professionals”). GSA certainly anticipates banging the reverse auction gavel frequently in the next few years. The agency’s solicitation for reverse auction services gives an estimated annual number of auctions for the contract’s first two years: fifty for dollar amounts between $500,000 and $2 million; seventy-five for $2 million to $5 million, and 100 for more than $5 million. The estimate for the third year (first option year) increases by twenty percent. See FedBizOps.gov, supra note 34 (Solicitation No. 7TS-01-0001).

\textsuperscript{261} WYLD, supra note 13, at 41.
A. Where Do We Go From Here?

Given that baseline prediction, the appropriate tack each federal organization should then be taking is not if it will be doing reverse auctions but how and when it should be doing them to best serve its own specialized needs and customers. In addition to those mentioned above, a plethora of solutions abound for every problem and potential issue. Evaluating every one is beyond this paper’s scope. However, the possible responses can be simplified and summed up in two opposing points of view: Legally binding FAR provisions or agency-developed policy guidance.

Some say the lack of regulatory guidance makes agencies and contractors skittish about using reverse auctions.\(^{262}\) They say guidance is especially needed to settle the issue of whether reverse auctions are legal and, if so, how to ensure they are done properly.\(^{263}\) “Rather than have people read between the lines, just come out and say it,” because without that definitive guidance, some agencies will always hesitate to commit to something new.\(^{264}\)

Additionally, besides calling for FAR language to explicitly permit reverse auctions, the ABA told the FAR councils that it also wants to see FAR revisions to address the following topics: \(^{265}\) How to write reverse auction solicitations, compliance with the PIA, allowing for

\(^{262}\) Davidson, supra note 116 (quoting Ina Merson, an acquisitions consultant and former Department of Commerce contracting officer, as saying reverse auctions “are not catching on now because there is no guidance for their use,” a sentiment echoed by Deidre Lee, director of DoD procurement, who said agencies and contractors need more guidance.)

\(^{263}\) Telephone Interview with Thomas F. Burke, Attorney, McKenna & Cuneo (Feb. 7, 2002) [hereinafter Burke Interview]. Mr. Burke is vice chair of the Commercial Products and Services Committee of the ABA’s Public Contract Law Section, which submitted the ABA’s comments to the FAR councils. His firm handled the bid protest (later withdrawn) of the Navy’s first reverse auction. \textit{Id.}

\(^{264}\) \textit{Id.}

\(^{265}\) ABA Letter, supra note 75.
an alternative Certificate of Independent Price Determination, how to handle mistakes in bids, underbidding or buying-in, and identifying situations where reverse auctions are appropriate “without precluding the use of reverse auctions in other situations.”

Those calling for guidance recognize that “a certain amount of trial and error is necessary” in learning to use new acquisition tools. But, the argument goes, “the downside of any experiment is that if you don’t get it right,” the costs—in time, labor and dollars—can wipe out any benefit. Additionally, without firm guidance, reverse auctions are likely to prove a fertile breeding ground for protests, especially as agencies branch out into more complex procurements.

The Air Force, on the other hand, does not seem to believe that regulatory changes are needed in any area except for perhaps the relationship of reverse auctions to sealed bidding, where it “may be the right time and environment for a total ‘rethink’ of Part 14.” In its opinion, policy guidance—not regulation—can adequately address all of the following issues: reverse auction pricing policies and analysis; ensuring independent price and integrity of prices; promoting full and open competition; publicizing and planning for reverse auctions; responsibility determinations; deciding when reverse auctions are appropriate;

266 See infra note 279.

267 ABA Letter, supra note 75.

268 Burke Interview, supra note 263.

269 Id.

270 Id.

271 AF REVERSE AUCTIONING POLICY STRATEGY, supra note 150, No. 11. FAR Part 14 covers sealed bidding.
using reverse auctions in both best-value acquisitions and when accepting the lowest-price, technically acceptable offer; and small-business participation.\textsuperscript{272}

The argument behind the Air Force position is that the federal government cannot fully realize reverse auctions’ untapped potential if it is fettered by too much regulation.\textsuperscript{273} "Try it, test it, do it," should be the mantra of the public sector in regards to the application of all e-commerce concepts, including the auction model."\textsuperscript{274}

B. Less is More When It Comes to Regulation

1. Learn by doing

The arguments for binding regulations carry some validity. After all, while reverse auctions can benefit the government significantly, they also seem to offer breathtaking potential for new and unlimited ways to really botch up an already complex process. As one

\textsuperscript{272} See generally id. (listing each of these positions in relation to specific FAR provisions).

\textsuperscript{273} See, e.g., Meinert Interview, supra note 38 (asserting that the DoD experience with reverse auctions is still too new for heavy regulations to be appropriate—"we’re still in the infancy with this"); Merson, supra note 15, at 11 (reporting that the consensus at a GSA-sponsored reverse auctioning conference in August 2000 favored eliminating FAR “impediments” over issuing regulations that “might constrain innovation”). Professor Wyld cautions:

Almost every agency at all levels of government will find that they have guidelines in place that will either hinder or completely prevent involvement in the emerging marketplaces. . . . These guidelines, along with the legislation and regulations behind them, will need to be updated, if not completely revised and “downsized” for the New Economy.

\textsc{Wyld, supra} note 13 at 45.

\textsuperscript{274} Wyld, supra note 13, at 54. One student of the Army’s reverse auction program concluded:

The procedures for using a reverse auction strategy are still developing . . . . The process is simply still evolving . . . . Any statutory or policy implementation restricting innovation with this process will have detrimental effects on its usefulness. The best recommendation is to let the process evolve into a well-defined procedure before considering any police regarding its use.

Stephens, supra note 158 (manuscript at 66-67).
skeptic wrote in August 2000, “If the Office of Federal Procurement Policy is even thinking about drafting reverse-auction regulations, it should do so in Internet time. A lot of damage could occur in, say, 18 months.”

Yet here things are, eighteen months later—and where is the damage? Two bid protests, both denied. Savings totaling millions of dollars. Happy agency customers who have been able to adapt the program as they desire, to use or not to use. Procurement times often cut significantly. Not even any anecdotal evidence (let alone hard statistics) that reverse auctions are the contracting doomsday the critics predicted.

Most of the alleged problems appear to be solving themselves. Case law and the majority of published opinions seem to come down squarely on the side of legality for reverse auctions. Small businesses appear to be right in the thick of the bidding wars. No one is complaining about performance deficiencies after underbidding. The threat of collusion is no greater than in the traditional world. As contracting officers and others

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275 Ryan, supra note 74.

276 However, it remains to be seen whether these low prices are simply one-time good deals. If a reverse auction truly drives prices to their absolute market lows, then it seems unlikely that follow-on procurements will realize similar savings. See Nick Wakeman, Feds Shift Reverse Auctions Into Gear, WASH. TECH., Aug. 14, 2000 (suggesting that after the first year, “the rate of savings drops”), http://www.washingontechology.com. Without more long-term reverse auction data to evaluate (including contracts that have run to completion), the jury is still out on that question.

277 Not only are small businesses participating as bidders but also as auction providers. Out of nine companies that have participated in various GSA online procurement programs as enablers, five are classified as small—including two small disadvantaged businesses (one also woman-owned). Merson, supra note 15, at 10-11.

278 Admittedly, however, with less than two years having elapsed from the first reverse auction awards, it simply may be too soon to make an accurate assessment on this issue as well.

279 After all, certain types of contracts have always required the offeror to provide a “certificate of independent price determination,” certifying that he has not acted in collusion with anyone else in reaching his price. See FAR, supra note 23, 52.203-2; see also AF REVERSE AUCTION POLICY STRATEGY, supra note 150, No. 4 (asserting that this section provides the security and guidance needed to prevent collusive bids).

However, as with consent to disclose bidders’ prices during the auction, this certification often is implied solely from the offeror’s participation in the auction. The Navy informs bidders as follows: “Submission of a proposal
gain reverse auction experience, sloppy specifications should become rarer (although since the government cannot seem to avoid this problem entirely in traditional contracting, there is no reason to expect—or demand—that it do so in e-procurement).  

Agencies seem to recognize that a focus on price cannot be allowed to run roughshod over obtaining quality products. The “best value continuum” in reverse auctions does not seem to differ that much from traditional procurements. As the FAR explains:

An agency can obtain best value in negotiated acquisitions by using any one or a combination of source selection approaches. In different types of acquisitions, the relative importance of cost or price may vary. For example, in acquisitions where the requirement is clearly definable and the risk of unsuccessful contract performance is minimal, cost or price may play a dominant role in source selection. The less definitive the requirement, the more development work required, or the greater the performance risk, the more technical or past performance considerations may play a dominant role in source selection.

All that is equally true whether using reverse auctions or paper-based negotiations—and, again, as contracting personnel learn how to wield this new procurement tool, they will hone their ability to successfully traverse the continuum.

The acquisitions community lacks agreement on when reverse auctions are appropriate—but so what? GSA and others may say that only high-dollar auctions bring in sufficient bang for the buck. But if Army acquisition personnel have found what they consider to be a

by the offeror shall be considered certification by the offeror that the only knowing disclosure by the offeror of its prices to any other offeror will be during the CBE.” AFMC Reverse Auctioning, supra note 93 (Navy sample Section L instructions, para. II.g). The Army advises essentially the same thing: “By participating in the reverse auction, offerors certify that the only knowing disclosure of the offeror of its prices to any other offeror will be during the reverse auction.” Id. (Army sample instructions, para. I.f.).

280 See NASH & CIBINIC, supra note 117, at 99 ("As with any tool, its use requires a certain degree of skill and knowledge on the part of the user.")

281 FAR, supra note 23, 15.101.

282 See Harris, supra note 118 (predicting that as federal buyers become “savvier purchasers . . . (and) equip themselves with tools . . . such as reverse auctions, they will find ways to assure both best prices and best value”).
satisfactory and economical way to conduct reverse auctions for small requirements (like a couple of fax machines), why should regulation tell them they cannot? They are going to buy the fax machines one way or another, leave it up to them to choose the appropriate method (just as done under the current regulatory regime).

If experience truly is the greatest teacher, it seems that allowing government agencies the leeway to figure out on their own when reverse auctions work and when they do not is preferable to regulations written by some bureaucrat who may never even have signed onto E-bay. The key for contracting officers and agency customers is to go through the same analysis they would when deciding what type of method to use for any other procurement.

For example, using reverse auctions to acquire construction services would seem to be pushing—if not exceeding—the limits of what is appropriate. But contracting officers

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283 See Stephens, supra note 158 (manuscript at 62) (noting that success in the reverse auctions he studied “was not limited to small or large acquisitions, nor did a relationship exist between the savings rate and the quantity required”). Additionally, requiring a minimum value for reverse auctions could also diminish small-business participation, since acquisitions with an anticipated value of more than $2500 but less than $100,000 are automatically reserved for small businesses. FAR, supra note 23, 19.502-2(a).

284 Even GSA acknowledges the reality that an estimated eighty percent of government procurement is for no more than $2500. Its answer has been to set up on-line auctions that allow government buyers to aggregate purchases, i.e., combine them into one larger order. Buyers.Gov, supra note 31 (Reverse Auctions, Frequently Asked Questions No. 2).

285 As a case in point, the FAR and case law vest contracting officers with significant discretion in choosing the appropriate contract type. See, generally, FAR, supra note 23, 16.1, “Selecting Contract Types.” For example, with a few exceptions, the agency may select any type or combination of types of contract for a negotiated procurement “that will promote the Government’s interest.” Id., 16.102(b). Contracting officers are expected to exercise “sound judgment” when selecting among the variety of types made available to give the agencies the flexibility to meet their needs. Id., 16.101(a), 16.103(a). Ultimately, selecting a contract type remains within the contracting officer’s reasonable discretion. See Diversified Tech. & Servs. of Va., Inc., B-282497, July 19, 1999, 99-2 CPD ¶ 16 (leaving it to the agency to decide which type of pricing format to use).

286 See WYLD, supra note 13, at 17 (quoting Hal Varian, dean of the School of Information Management and Systems at the University of California at Berkeley, as saying, “The Internet is the greatest medium in the history of economics for testing all manner of hypotheses about which auctions work best under what circumstances.”).

287 Meinert Interview, supra note 38.
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287 Meinert Interview, supra note 38.
apparently recognize that: Other than the SBA’s admittedly small-scale modification project, no construction auctions appear to have been publicly reported.\(^{288}\)

The baseline issue that seems to underlie much of the controversy is how much one trusts contracting officers and other agency procurement staffers to do the right thing and to do things right.\(^{289}\) One would like to think that that acquisition corps is, for the most part, made up of well-trained, experienced and conscientious professionals.\(^{290}\) Current procurement statutes grant them the ability to “exercise personal initiative and sound business judgment . . . to meet the customer’s needs.”\(^{291}\) Until experience shows that agencies are incapable of properly exercising that initiative and judgment with regard to reverse auctions, they deserve the right to “try it, test it, do it” without being hobbled by too much regulation.

2. The question of legality

\(^{288}\) See Buyers.Gov, supra note 31 (News & Links, Question & Answer No. 12) (“To our knowledge, no one is using the Reverse Auctions for construction projects.”)

\(^{289}\) See CAPT Doug Roark, Navy Supply Systems Command, Deputy Commander for Contracting Management, Safety, not Price, was First in Reverse Auction, Gov’t COMPUTER NEWS, Oct. 2, 2000, at 24, LEXIS ASAP II Publications—Federal Public Contracts (letter to the editor) (noting that reverse auctions are beneficial when conducted by “acquisition professionals”).

\(^{290}\) See, generally, Michael Organeck, U.S. Army Corps of Engineers, “Qualifications for Being a Contracting Officer or an Administering Contracting Officer in the U.S. Army Corps of Engineers,” Presentation at the Road Show 2000 of the U.S. Army Corps of Engineers, Principle Assistant Responsible for Contracting (undated PowerPoint presentation) (on file with author). Procuring Contracting Officers must have at least two years of experience and at least seven contracting-related courses. Administrative Contracting Officers must have four to five courses, depending on their warrant amounts, and two years contracting experience. Those with authority above $100,000 also must have a bachelor’s degree with at least twenty-four credit hours in disciplines such as law, accounting, business, finance, economics, management, contracts, etc. \(id\).

Additionally, while it is risky to extrapolate much from the small number of reported reverse-auction protests, the fact that the last two years have seen only two cases does suggest, at least minimally, that acquisition staffers are doing something right. But see The Service Acquisition Reform Act of 2002: Hearing on H.R. 382 before the House Comm. on Gov’t Reform, Subcomm. on Tech. & Procurement Policy (Mar. 7, 2002) (Statement of Professor Steven L. Schooner, George Washington University Law School) (charging that so-called acquisition “reforms” of the 1990s resulted in an “overwhelmed, under-trained” acquisition workforce); available at http://www.house.gov/reform/tapps/hearings/3-7-02/SARASchooner.pdf.

\(^{291}\) FAR, supra note 23, 1.102; see also supra notes 85-88 and accompanying text.
Yet even with all those arguments, one area of potential regulation still seems, at first blush, to be eminently reasonable and easily doable: having the FAR unequivocally recognize the legality of reverse auctions. This would solve the split in opinions and assuage any lingering doubts that might be inhibiting use. The ABA wants only an "explicit statement that . . . reverse auctions are permitted provided they are conducted in accordance with all applicable laws and regulations and do not otherwise compromise the integrity of the procurement process." It seems unobjectionable and simple enough, yet upon closer examination, such a move would create more difficulties than it would solve.

What specifically would it take to satisfy the requirement that auctions be "conducted in accordance with all applicable laws and regulations and do not otherwise compromise the integrity of the procurement process?" The powers that be cannot add such a statement to the FAR or any other regulation without explaining it. And to explain anything, that explanation would have to address everything:


Along that line, can one do reverse auctions . . . for sealed bids? For negotiated procurements? For services? For complex military unique items? For small-dollar buys? For construction? With only two bidders?

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292 ABA Letter, supra note 75.
All these questions would have to be answered to ensure the auction would follow “all applicable laws and regulations” and maintain the integrity of the procurement process. And answers to all those questions are exactly what government users do not want.\textsuperscript{293} Rather than heading off bid protests, such extensive regulation could actually engender challenges by providing more ways that unhappy bidders can attack the government’s actions. The more appropriate course of action is to leave the FAR unchanged (i.e., silent)—for now and for the most part—when it comes to reverse auctions.

C. Still, Nobody Is Perfect

Notwithstanding government’s desire to avoid being hamstrung by intrusive regulation, some areas still need changes—both in policy and practice.

1. Our bids are sealed

FAR Part 14 does need to be reworked to fully capture the reverse auction on-line bidding process.\textsuperscript{294} AFMC has suggested that it makes no sense to try to force the square peg of reverse auctions to fit into the round hole of sealed bidding. Instead, AFMC says, the more logical course seems to be to conduct reverse auctions as negotiated procurements.\textsuperscript{295}

\textsuperscript{293} See Messmer, supra note 130 (reporting that although military officials anticipate some difficulties implementing reverse auctions, “they don’t want the OMB, Pentagon or U.S. Congress, which all have the power to dictate procurement rules, to butt in”).

\textsuperscript{294} See supra notes 70-73 and accompanying text.

\textsuperscript{295} AFMC ATTORNEY’S GUIDE, supra note 72, at 37 (concluding that negotiations work much better because they “allow enough flexibility to be very similar to sealed bidding procedures, but allow iterative price changes”).
The flaw in this approach is the law’s preference—in some cases, mandate—for sealed bidding. The Competition in Contracting Act (CICA) states that an agency shall solicit sealed bids if time permits, the award will be made solely on the basis of price and price-related factors, there is no need to conduct discussions with responding sources, and the agency expects to get more than one sealed bid.\textsuperscript{296} With the sole added wrinkle of successive bids, all those factors apply to many reverse auctions, especially for commodities.

How would the government buy toilet paper in bulk in traditional procurements? With sealed bidding. DoD needs to be able to so with a reverse auction as well.\textsuperscript{297} Given the additional requirements of negotiated procurements (e.g., debriefs of unsuccessful offerors, if requested\textsuperscript{298}), depriving agencies of the option of sealed-bidding methods does not make sense. Instead, the better solution seems to be to revise FAR 14 (specifically, FAR 14.202-8 dealing with electronic bids) to allow for successive bids in a reverse auction context.\textsuperscript{299} The revision need not be lengthy nor complicated. In fact, it conceivably could require just a

\textsuperscript{296} See 10 U.S.C.S. § 2304(a)(2) (LEXIS 2002). Negotiated procedures are authorized only if sealed bidding is inappropriate. See 10 U.S.C.S. § 2304(a)(2)(B) (LEXIS 2002); Racal Filter Tech., Inc., B-240579, Dec. 4, 1990, 70 Comp. Gen. 127, 90-2 CPD ¶ 453 (holding that CICA prohibits an agency from using negotiated procedures when all the elements CICA enumerates for sealed bidding are present).

\textsuperscript{297} See AMS & FREEMARKETS, supra note 79, at 2 (asserting that auctions are ideal for sealed bid contracts).

\textsuperscript{298} FAR, supra note 23, 15.506.

\textsuperscript{299} Some argue that the issue of safeguarding bids also needs to be addressed by a FAR Part 14 revision. See Palmer et al, supra note 67, at 6 (contending that this requirement is one reason sealed bidding reverse auctions are problematic); AF REVERSE AUCTIONING POLICY STRATEGY, supra note 150, No. 11 (asserting that this is an issue relative to sealed bidding in the reverse auction environment). However, the FAR requires that bids received before the time of bid opening be safeguarded. See FAR, supra note 23, 14.401. In a reverse auction, bid receipt and opening are essentially simultaneous, so there is no need to safeguard the bids in the traditional sense. Instead, “safeguarding” bids would seem to more appropriately involve protecting against the looming hazard of a hacker or other security compromise—an e-commerce requirement no matter what the type of procurement. See Merson, supra note 16, at 6 (maintaining that the auction enablers must guarantee tamperproof online systems); William Matthews, Bold New Bid, FED. COMPUTER WEEK, Apr. 17, 2000 (warning of the “ubiquitous computer concern” of security), http://www.fcw.com/fcw/articles/2000/0417/cover-04-17-00.asp.
simple, concise clarification that, in the reverse auction context, bidders are allowed to submit successive electronic bids.

2. *Just the facts, ma'am, just the facts*

Although experience seems to suggest that reverse auctions do not disadvantage small businesses, some hard-and-fast statistics to back up the anecdotal evidence could prove beneficial. Gathering such figures might take no more than a concerted, formalized, DoD-wide effort to simply track the numbers. Perhaps the value may be simply in silencing any fears about small business participation, or it may point out a problem that no one knew existed—but regardless of the results, the analysis ought to be done.\(^{300}\)

3. *Sign on the dotted line*

Implied consent may be fine for agreements to monitor use of government telephone systems and taking breath samples from suspected drunk drivers—but not for reverse auctions. Obtaining bidders’ consent to reveal their offers during a reverse auction appears to be absolutely fundamental to ensuring the auction’s legality. Consequently, consent needs to be express, fully informed, and absolutely unequivocal—which means in writing and individually obtained, not just presumed from participation.\(^{301}\)

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\(^{300}\) *See* Stephens, *supra* note 158 (manuscript at 67) (recommending further research to analyze how reverse auctions impact contractors, especially small and disadvantaged businesses).

\(^{301}\) Written consent would also help address the issue of true voluntariness. *See* supra notes 95-96 and accompanying text. When someone waives his rights after being fully informed what he is waiving and what his options are, and he acknowledges such disclosure and his resulting waiver in writing, reviewing bodies are far more likely to declare such a waiver truly voluntary than one in which the reviewer must assume or presume a knowing waiver. On the other hand, the argument that requiring consent to participate somehow negates the
Although GAO has upheld the use of implied consent, when one factors in the very minimal added burden of obtaining unequivocal express consent, the cost-benefit analysis clearly favors doing so. In most reverse auctions today, bidders are submitting advance proposals, receiving up-front training, or both, so requiring them to sign an informed consent form seems unlikely to add to the time or effort needed to conduct the auction. Certainly, little danger exists of stifling innovation or hampering development.

The same holds true for the certification of independent price determination, aimed at avoiding collusion in certain procurements. Admittedly, those who are going to cheat the system by engaging in price fixing probably will not be deterred by the added step of certifying in writing that they are not crooks. Still, it serves as one more potential check. Additionally, most attorneys would probably prefer to be armed with an explicit certification of non-collusion rather than an implied one if they were going to attempt any type of criminal prosecution or civil recovery.

4. Man over machine

DSCC’s use of automated contract award, and any similar attempts at full automation, need to be closely scrutinized and quite probably reined in. No matter how valuable the computer is as a labor-saving tool, it (just like reverse auctions) is only that—a tool that must be wielded by a human being. Failure to do so jeopardizes the validity of the resulting contract awards.

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 voluntary nature does not seem especially compelling. As the 800-pound gorilla of public contracting, the government sets similar prerequisites to participation all the time.
The DIBBS Auction Users Guide explains “that the apparent low quote may not receive the award due to the application of price related evaluation factors and/or price reasonableness and responsibility determinations.” Consequently, the guide advises vendors to submit bids even if they cannot beat the apparent low offers. The subsequent “threshold responsibility and price reasonableness” determination is then frequently made by DSIC’s “Procurement Automated Contract Evaluation (PACE)” system.

The FAR-mandated “responsibility” judgment involves evaluating a prospective contractor’s financial resources; ability to comply with the government’s required performance schedule; past performance; integrity and business ethics; experience, organizational structure and technical skills; and production, construction and technical equipment and facilities. What kind of computer evaluation system can assess a company’s business ethics and integrity? The FAR implies that it cannot, by specifying that only the contracting officer can do that job: “No purchase or award shall be made unless the contracting officer makes an affirmative determination of responsibility.” Before making that determination, “the contracting officer shall possess or obtain information sufficient to be satisfied that a prospective contractor currently meets the applicable standards . . .”

A recent case illustrates why over-automation is potentially so dangerous. On 5 March 2002, the GAO decided The Standard Register Co., rejecting a printing company’s claim

302 DIBBS AUCTION USERS GUIDE, supra note 40, at 4.
303 Id.
304 See FAR, supra note 23, 9.104-1 (delineating the general standards for determining responsibility).
305 Id., 9.103(b).
306 Id., 9.105-1(a) (emphasis added).
that the government improperly determined it was nonresponsible. The GAO said:

A contracting agency has broad discretion in making responsibility determinations, since the agency must bear the effects of any difficulties experienced in obtaining the required performance. Thus, a contracting officer has the discretion to determine the weight to be accorded the information he or she receives . . . . Although responsibility determinations must be based on fact and reached in good faith, they are of necessity a matter of business judgment. We will not question a nonresponsibility determination absent bad faith on the part of agency officials or the lack of reasonable basis for the determination.

A computer cannot exercise the “broad discretion” or “business judgment” needed to make a responsibility determination. Lacking this, a computerized responsibility determination also quite possibly lacks a “reasonable basis,” making automated evaluations vulnerable to sustained protests. Are the time and labor savings worth that risk?

5. Getting it all together

Procurement officials at the DoD level should seriously consider providing some type of discretionary guidance on reverse auctions, perhaps something similar to the Commercial Item Handbook published by the acquisitions community in the Office of the Secretary of Defense. Far too little of the existing guidance is up-to-date and available to every acquisition staffer everywhere. Right now, finding needed guidance often depends too much on knowing the right web address, typing in the right words for the Internet search, or, perhaps, just the sheer dumb luck of stumbling across a site. At a minimum, guidance

308 Id.

309 Id. (citations omitted).

310 See supra note 105.

311 See Stephens, supra note 158 (manuscript at 66) (recommending that the Army issue a reverse auction users’ guide to fill this void).
should be integrated into an easy-to-find, simple-to-use source, either in paper or on the Internet, or, preferably, both.

Such a one-stop resource would, of course, make life easier for both government buyers and contracting officers. Equally importantly, headquarters-level, consolidated guidelines might also dampen some of the cries for binding regulation and provide direction in areas of uncertainty. But because such guidance would not be mandatory, it should not impede agencies' innovation and flexibility.

VI. Conclusion

While the government may not be using reverse auctions to buy brides, the process does seem to marry up well with many aspects of military procurement. Those organizations that have stepped up to the reverse auction block frequently have left with significant savings in scarce procurement dollars, often accompanied by reduced acquisition time frames. Not everyone has found reverse auctions to be a perfect match, but that is to be expected and as it should be. Each agency should be allowed to exercise its FAR-given discretion and choose the procurement tool that best suits its needs and specific acquisitions.

Reverse auctions also appear to have won their bid for acceptance as legal, albeit grudgingly in some cases. Although there have been some false starts, agencies seem to be acquiring the knowledge and experience to conduct auctions in appropriate cases and in appropriate ways. For now, they should be allowed to pioneer innovative methods of using auctions without the rigidity of extensive and all-encompassing FAR regulation.

That does not mean, however, that reverse auctions should be wide-open free-for-alls. Procurement officials need to closely monitor several concerns to ensure they do not become
significant problems: the health of the supplier base; underbidding and performance results; technology issues, including the extent of automation and costs; the interplay of price and quality and doing best-value acquisitions; appropriate use, to include acquiring services; and applying socioeconomic preferences. Additionally, the DoD acquisitions community should require explicit non-collusion certifications and consent to disclose prices, as well as issuing consolidated, headquarters-level guidance. Finally, the FAR councils should consider revising FAR Part 14’s provisions for electronic bids in sealed bidding as simply and minimally as possible to accommodate reverse auctions and successive bids.

Government procurement truly is undergoing an “e-volution” of historic proportions. Reverse auctions are not a panacea for all that ails the contracting world, but they are an extremely valuable tool that acquisition staffers must have both the flexibility and the know-how to wield. As they do, they will find that there is nothing illusionary about the power of the virtual gavel.
Appendix 1

CECOM Reverse Auctions as of February 2002
<table>
<thead>
<tr>
<th>Description</th>
<th>Date</th>
<th>Quantity</th>
<th>Unit</th>
<th>Vendor/Lessor</th>
<th>Cost</th>
<th>ACFA</th>
<th>Percentage</th>
<th>Agency</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>(1) Lot Modular Office Furniture</td>
<td>06/22/01</td>
<td>4</td>
<td></td>
<td>Allied Modular Building</td>
<td>$69,500.00</td>
<td>$21,800.00</td>
<td>24% USMC</td>
<td></td>
<td>$21,800.00</td>
</tr>
<tr>
<td>(1) Lot Refrigeration Equipment</td>
<td>06/25/01</td>
<td>5</td>
<td></td>
<td>Gill Marketing Company</td>
<td>$27,433.32</td>
<td>$8,566.68</td>
<td>24% USMC</td>
<td></td>
<td>$8,566.68</td>
</tr>
<tr>
<td>(1) Lot Pump Assembly</td>
<td>06/29/01</td>
<td>6</td>
<td></td>
<td>RGI, Inc.</td>
<td>$425,850.00</td>
<td>$96,900.00</td>
<td>19% TACOM</td>
<td></td>
<td>$96,900.00</td>
</tr>
<tr>
<td>370 Desktop PCs - Energy Dept</td>
<td>07/05/01</td>
<td>4</td>
<td></td>
<td>Force3, Inc.</td>
<td>$1,050.00</td>
<td>$551.00</td>
<td>34% Energy Dept</td>
<td></td>
<td>$203,870.00</td>
</tr>
<tr>
<td>(1) Lot Dual Line Phones</td>
<td>07/25/01</td>
<td>5</td>
<td></td>
<td>Cortelco</td>
<td>$17,100.00</td>
<td>$2,400.00</td>
<td>12% USMC</td>
<td></td>
<td>$2,400.00</td>
</tr>
<tr>
<td>(1) Lot Metal Desks</td>
<td>08/01/01</td>
<td>2</td>
<td></td>
<td>Commercial Concept Inc</td>
<td>$36,900.00</td>
<td>$16,100.00</td>
<td>30% USMC</td>
<td></td>
<td>$16,100.00</td>
</tr>
<tr>
<td>6 HAZMAT Storage Buildings</td>
<td>08/16/01</td>
<td>5</td>
<td></td>
<td>Safety Storage Inc.</td>
<td>$4,795.00</td>
<td>$4,795.00</td>
<td>32% TRADOC</td>
<td></td>
<td>$13,230.00</td>
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<tr>
<td>(1) Lot Projectors, Screens, etc.</td>
<td>08/24/01</td>
<td>5</td>
<td></td>
<td>Total Audio Visual System</td>
<td>$28,550.00</td>
<td>$5,450.00</td>
<td>16% TRADOC</td>
<td></td>
<td>$5,450.00</td>
</tr>
<tr>
<td>62 Monitors</td>
<td>08/31/01</td>
<td>9</td>
<td></td>
<td>Micron Gov Computer Sys</td>
<td>$1,375.00</td>
<td>$225.00</td>
<td>14% USCCE</td>
<td></td>
<td>$13,950.00</td>
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<tr>
<td>1 Lot Desktop Computers</td>
<td>08/31/01</td>
<td>4</td>
<td></td>
<td>GTSI, Inc.</td>
<td>$1,800,000.00</td>
<td>$400,000.00</td>
<td>18% Tobyhanna</td>
<td></td>
<td>$400,000.00</td>
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<tr>
<td>154 Desktop Pentium III</td>
<td>09/25/01</td>
<td>9</td>
<td></td>
<td>Dell</td>
<td>$1,040.00</td>
<td>$336.00</td>
<td>24% 5th Signal</td>
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<td>$51,812.00</td>
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$2,173,358.68
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<th>(QTY) PRODUCT/ITEM</th>
<th>DATE</th>
<th>ESTIMATED/BEGINNING PRICE</th>
<th>#VEN</th>
<th>WINNER</th>
<th>PURCHASE PRICE</th>
<th>DELTA/SAVINGS</th>
<th>% SVGS</th>
<th>USER</th>
<th>$</th>
</tr>
</thead>
<tbody>
<tr>
<td>(1) Ricoh Secure Fax System, TEMAIR Edgar Utilities Software, toner/items</td>
<td>05/17/00</td>
<td>$6,891.00</td>
<td>2</td>
<td>Video &amp; Telecommunications, Inc.</td>
<td>$5,511.00</td>
<td>$1,380.00</td>
<td>20%</td>
<td>CECOM</td>
<td>$1,380.00</td>
</tr>
<tr>
<td>(2) IBM Thinkpads</td>
<td>05/19/00</td>
<td>$7,000.00</td>
<td>3</td>
<td>Comtek Federal</td>
<td>$3,280.00</td>
<td>$3,720.00</td>
<td>53%</td>
<td>CECOM</td>
<td>$7,460.00</td>
</tr>
<tr>
<td>(5) IntellIFAX-2750</td>
<td>07/13/00</td>
<td>$500.00</td>
<td>2</td>
<td>Video &amp; Telecommunications, Inc.</td>
<td>$440.00</td>
<td>$60.00</td>
<td>12%</td>
<td>CECOM</td>
<td>$300.00</td>
</tr>
<tr>
<td>(100) Connector plugs</td>
<td>07/24/00</td>
<td>$1,180.00</td>
<td>2</td>
<td>Autodyne</td>
<td>$780.00</td>
<td>$400.00</td>
<td>34%</td>
<td>CECOM</td>
<td>$40,000.00</td>
</tr>
<tr>
<td>(20) Pentium computers/items</td>
<td>08/03/00</td>
<td>$2,300.00</td>
<td>5</td>
<td>Micron</td>
<td>$1,850.00</td>
<td>$450.00</td>
<td>20%</td>
<td>AF</td>
<td>$9,000.00</td>
</tr>
<tr>
<td>(10) Pentium servers</td>
<td>08/03/00</td>
<td>$4,100.00</td>
<td>6</td>
<td>Dunn</td>
<td>$2,490.00</td>
<td>$1,610.00</td>
<td>39%</td>
<td>AF</td>
<td>$16,100.00</td>
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<td>(135) Pentium computers/items</td>
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<td>$600.00</td>
<td>32%</td>
<td>AF</td>
<td>$81,000.00</td>
</tr>
<tr>
<td>(140) Pentium minitowers/items</td>
<td>09/24/00</td>
<td>$1,900.00</td>
<td>4</td>
<td>Dell</td>
<td>$1,470.00</td>
<td>$430.00</td>
<td>23%</td>
<td>AF</td>
<td>$60,200.00</td>
</tr>
<tr>
<td>(40) Pentium computers/items</td>
<td>09/29/00</td>
<td>$1,500.00</td>
<td>4</td>
<td>Government Acquisitions</td>
<td>$1,340.00</td>
<td>$160.00</td>
<td>11%</td>
<td>AF</td>
<td>$6,400.00</td>
</tr>
<tr>
<td>(1) Photo-workshop</td>
<td>09/19/00</td>
<td>$7,000.00</td>
<td>1</td>
<td>GTSI</td>
<td>$7,000.00</td>
<td>$0.00</td>
<td>0%</td>
<td>AF</td>
<td>$0.00</td>
</tr>
<tr>
<td>(520) Pentium servers</td>
<td>09/19/00</td>
<td>$1,550.00</td>
<td>6</td>
<td>Dell</td>
<td>$1,120.00</td>
<td>$430.00</td>
<td>28%</td>
<td>FORSCOM</td>
<td>$223,600.00</td>
</tr>
<tr>
<td>(40) Pentium computers/items</td>
<td>09/21/00</td>
<td>$1,900.00</td>
<td>5</td>
<td>Dell</td>
<td>$1,470.00</td>
<td>$430.00</td>
<td>23%</td>
<td>FORSCOM</td>
<td>$17,200.00</td>
</tr>
<tr>
<td>(1) Lot Lumber</td>
<td>09/29/00</td>
<td>$17,000.00</td>
<td>3</td>
<td>Not identified</td>
<td>$15,400.00</td>
<td>$1,600.00</td>
<td>9%</td>
<td>SOCOM</td>
<td>$1,600.00</td>
</tr>
<tr>
<td>(10) Caprines (Goats/Livestock)</td>
<td>11/03/00</td>
<td>$130.00</td>
<td>5</td>
<td>Sarah Bunter/Farms</td>
<td>$100.00</td>
<td>$30.00</td>
<td>23%</td>
<td>USMC</td>
<td>$3,000.00</td>
</tr>
<tr>
<td>(1) Lexar PC Card Type II</td>
<td>11/09/00</td>
<td>$12,200.00</td>
<td>5</td>
<td>Not identified</td>
<td>$7,600.00</td>
<td>$4,600.00</td>
<td>38%</td>
<td>USMC</td>
<td>$4,600.00</td>
</tr>
<tr>
<td>(1) Lot Dishwasher (100 each)</td>
<td>12/08/00</td>
<td>$22,000.00</td>
<td>14</td>
<td>Washington Foundries</td>
<td>$15,700.00</td>
<td>$6,300.00</td>
<td>29%</td>
<td>USMC</td>
<td>$6,300.00</td>
</tr>
<tr>
<td>(1) Lot Waterheater (100 each)</td>
<td>12/08/00</td>
<td>$20,000.00</td>
<td>6</td>
<td>M.Learner</td>
<td>$12,200.00</td>
<td>$7,800.00</td>
<td>39%</td>
<td>USMC</td>
<td>$7,800.00</td>
</tr>
<tr>
<td>(140) Brake shoe 2530-00-602-5783</td>
<td>12/22/00</td>
<td>$815.00</td>
<td>3</td>
<td>Not identified</td>
<td>$700.00</td>
<td>$115.00</td>
<td>14%</td>
<td>TACOM</td>
<td>$16,100.00</td>
</tr>
<tr>
<td>(308) Hydraulic Wrench</td>
<td>01/19/01</td>
<td>$1,410.00</td>
<td>1</td>
<td>Stanley Hydraulic Tools</td>
<td>$1,410.00</td>
<td>$0.00</td>
<td>0%</td>
<td>TACOM</td>
<td>$0.00</td>
</tr>
<tr>
<td>(35) Collar Assembly Part</td>
<td>01/19/01</td>
<td>$145,425.00</td>
<td>7</td>
<td>BF Goodrich</td>
<td>$121,500.00</td>
<td>$23,925.00</td>
<td>16%</td>
<td>AF</td>
<td>$23,925.00</td>
</tr>
<tr>
<td>(200) Lot Office Supplies</td>
<td>01/19/01</td>
<td>$10,000.00</td>
<td>9</td>
<td>Shakir Enterprises</td>
<td>$6,000.00</td>
<td>$4,000.00</td>
<td>40%</td>
<td>USMC</td>
<td>$4,000.00</td>
</tr>
<tr>
<td>(1) Lot SUN equipment</td>
<td>02/15/01</td>
<td>$50,000.00</td>
<td>16</td>
<td>Not identified</td>
<td>$368,007.00</td>
<td>$113,993.00</td>
<td>26%</td>
<td>AF</td>
<td>$22,993.00</td>
</tr>
<tr>
<td>(40) Laptop computers</td>
<td>03/14/01</td>
<td>$4,650.00</td>
<td>3</td>
<td>Gateway</td>
<td>$2,700.00</td>
<td>$1,950.00</td>
<td>42%</td>
<td>5 SIGCOM</td>
<td>$78,000.00</td>
</tr>
<tr>
<td>(1) Lot SUN equipment/Msg Sys</td>
<td>03/21/00</td>
<td>$230,000.00</td>
<td>3</td>
<td>AVR Enterprises</td>
<td>$138,850.00</td>
<td>$91,150.00</td>
<td>40%</td>
<td>AF</td>
<td>$91,150.00</td>
</tr>
<tr>
<td>(1) Lot Appliances (Washer/Dryer)</td>
<td>04/05/01</td>
<td>$42,000.00</td>
<td>8</td>
<td>CPC Inc.</td>
<td>$33,600.00</td>
<td>$8,400.00</td>
<td>20%</td>
<td>USMC</td>
<td>$8,400.00</td>
</tr>
<tr>
<td>(109) Desktop Computers</td>
<td>04/06/01</td>
<td>$197,000.00</td>
<td>4</td>
<td>Dell Computers</td>
<td>$115,000.00</td>
<td>$82,000.00</td>
<td>42%</td>
<td>5 SIGCOM</td>
<td>$82,000.00</td>
</tr>
<tr>
<td>(1) Lot Paper</td>
<td>04/06/01</td>
<td>$43,000.00</td>
<td>22</td>
<td>Sita Business Systems</td>
<td>$37,328.00</td>
<td>$5,672.00</td>
<td>13%</td>
<td>USMC</td>
<td>$5,672.00</td>
</tr>
<tr>
<td>(1) Lot Sun Equipment &amp; Services</td>
<td>04/19/01</td>
<td>$1,847,000.00</td>
<td>9</td>
<td>NIS Computers</td>
<td>$1,717,500.00</td>
<td>$129,500.00</td>
<td>7%</td>
<td>AF</td>
<td>$129,500.00</td>
</tr>
<tr>
<td>(1) Lot Sun Equipment &amp; Services</td>
<td>04/25/01</td>
<td>$1,052,000.00</td>
<td>4</td>
<td>Dynasystems</td>
<td>$959,000.00</td>
<td>$93,000.00</td>
<td>9%</td>
<td>AF</td>
<td>$93,000.00</td>
</tr>
<tr>
<td>(1) Lot Eyepiece Assembly</td>
<td>04/27/01</td>
<td>$550,000.00</td>
<td>2</td>
<td>ITT</td>
<td>$261,500.00</td>
<td>$288,500.00</td>
<td>52%</td>
<td>CECOM</td>
<td>$288,500.00</td>
</tr>
<tr>
<td>(1) Lot Modular Office Furniture</td>
<td>05/24/01</td>
<td>$24,000.00</td>
<td>3</td>
<td>Allied Modular Building</td>
<td>$17,400.00</td>
<td>$6,600.00</td>
<td>27%</td>
<td>USMC</td>
<td>$6,600.00</td>
</tr>
<tr>
<td>(1) Lot Computer Systems</td>
<td>05/31/01</td>
<td>$149,000.00</td>
<td>4</td>
<td>STG, Inc.</td>
<td>$149,000.00</td>
<td>$0.00</td>
<td>0%</td>
<td>State Dept</td>
<td>$0.00</td>
</tr>
<tr>
<td>(1) Lot Wood Chips</td>
<td>06/13/01</td>
<td>$29,000.00</td>
<td>4</td>
<td>Buie Forest Products</td>
<td>$25,000.00</td>
<td>$4,000.00</td>
<td>14%</td>
<td>USMC</td>
<td>$4,000.00</td>
</tr>
</tbody>
</table>