

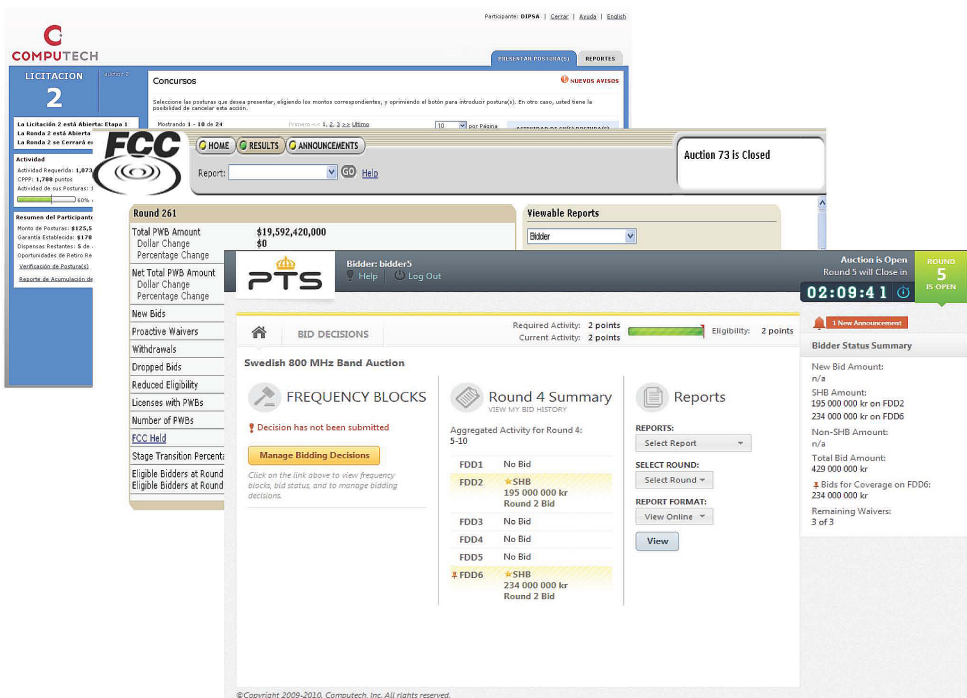
Computech Auction Platform (CAP)

CAP is a configurable, web-based auction platform designed specifically to conduct Mock and Live Spectrum Auctions. It allows for incredible flexibility to meet a regulator's exact needs for an auction and also permits the platform to adapt to changing requirements and market conditions. Developed on standards-based web technologies, CAP provides a secure and reliable suite of tools to conduct an auction.

CAP OVERVIEW

CAP consists of three integrated components — the Auctioneer Administration System, the Bidding System and the Public Reports System.

- The Auctioneer Administration System is used to create, configure and manage an auction. The auctioneer has access to a variety of real-time monitoring and communication tools, and is able to adjust parameters as the auction progresses.
- The Bidding System is used by bidders to participate in the auction and securely place their bids. The system is fully accessible and provides a multi-lingual interface with a customized look-and-feel. The auctioneer has full control over the features available for a given auction.
- The Reports System provides access to round-by-round reports and summary-level information. Access to information is controlled by roles and the defined level of transparency. All reporting information is available in both viewable and downloadable formats.



AUCTION DESIGNS SUPPORTED

- Simultaneous Multiple Round (SMR)
- Single Round Sealed Bid (SRSB)
- Clock
- Combinatorial & Non-Combinatorial
- Two-Sided Exchange
- Hierarchical Package Bidding
- Ascending & Descending
- Switching, Withdrawals, Waivers, and Time Extensions
- Configurable Pricing & Winner Determination

Accessibility and security are important issues that are thoroughly managed in the platform. CAP has been developed to provide full web browser support and has been tested with industry leading browsers, including Internet Explorer, Firefox, Chrome and Safari. Additionally, the application supports telephonic bidding, where authorized internal users can enter bids on behalf of a bidder. Client-side security certificates are utilized to authenticate bidders and ensure that users are properly authorized to access the system. And, user sessions are encrypted using 2048 bit Secure Sockets Layer (SSL) encryption, to guarantee security and privacy.

PLATFORM FEATURES

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| SPECTRUM CAPS | Computech’s platform supports spectrum caps and can be configured to limit spectrum aggregations for participants on an auction and/or bidder-level, or for a specified geography (e.g. region, nationwide, ...) |
| LEVELS OF TRANSPARENCY | Regulators are able to define their desired level of transparency, controlling the timing and amount of information released to the auctioneer, bidders, and the public. The Anonymous Information View only displays prices and aggregated activity to stakeholders; the Partial Information View only suppresses bidder identity; and the Full Information View provides complete details. |
| MULTI-LINGUAL SUPPORT | CAP provides multi-lingual support for bidders and regulators. Users can select their desired language and switch between languages, on demand. The entire platform uses dynamic content, allowing for easy customization of wording, phrases and naming conventions (e.g. “Lots,” “Items,” “Blocks,” “Licenses,” etc). |
| TWO-WAY BIDDER COMMUNICATION | Auctioneers are able to broadcast announcements to all users or individually to a specific participant. Bidders can send messages to the Auctioneer. Both users are automatically notified when a new message arrives. |
| BID ENTRY CONFIGURATION | CAP allows the auctioneer to select how bids should be entered into the system by participants (e.g. dropdowns, checkboxes, import files) and the relative quantity if generic items. |
| PARAMETERS AND SETTINGS | CAP is fully configurable, including: <ul style="list-style-type: none"> • Use of stages, • Tie-breaking schemes, • Global or item-specific activity and pricing settings, • Logo, and look-and-feel, and • Generic or specific lots. |
| AUCTIONEER ADMINISTRATION SYSTEM | The Auctioneer Administration System is the module used by regulators to create, manage and monitor their auctions. The Create Auction Wizard is a tool that automates the creation of auctions, allowing for a repeatable, tested, process that quickly defines a new auction instance based on the auctioneer’s settings. |

RUNTIME OPTIONS

- Installed & Operated on Client Environment
- Dedicated, Stand-Alone Environment at Computech’s Hosting Facility
- Instance on Computech’s Cloud-Based Production Environment

CAP supports a full range of runtime options.

REPORTING

- Bidder-Specific Reports
- End of Round Reports (viewable & downloadable)
- Internal Auctioneer Reports

The detail reported is driven by the level of transparency and the viewer’s role in the auction.

GLOBAL AUCTIONS EXPERIENCE

- Total amount of gross bids — \$95.4 billion
- Total licenses auctioned — 68,276
- Total number of auctions conducted — 81 auctions over 17 years
- Select spectrums auctioned — AWS, 700MHz, 800MHz, 1.7GHz and 1.9GHz
- Recent Frameworks — US Federal Communications Commission, Mexico’s COFETEL, Industry Canada, Sweden’s PTS, and Ofcom in the UK

Few, if any, organizations can match Computech’s experience when it comes to spectrum auctions.

Computech, Inc., an information technology firm, develops, implements and maintains business-critical information systems. The firm’s experience designing, developing and operating Internet-based spectrum auction systems is unparalleled. Computech has a 32 year history of growth and profitability.