INTERNATIONAL ROLL-CALL® CORPORATION

PRESENTS THE

VIRTUAL VOTING CONSOLE

PROVIDE SEAMLESS VOTING CAPABILITIES VIA A VIRTUAL VOTING INTERFACE

NOVEMBER 2025 VERSION

INTERNATIONAL ROLL-CALL® CORPORATION
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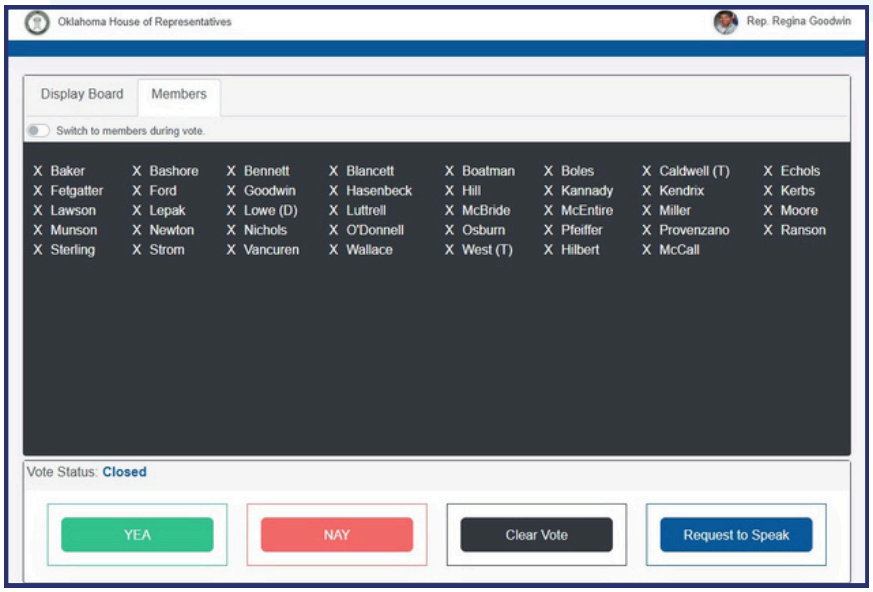
THE VIRTUAL VOTING CONSOLE: SEAMLESS ONLINE VOTING >>>

The IRC Virtual Voting Console (VVC) is a secure, browser-based vote entry interface for IRC's xmLegislator™ Chamber Voting System. Designed to extend the power of xmLegislator™ beyond the physical desk console, VVC allows Members and authorized users to participate in proceedings from virtually anywhere with network access, without sacrificing security, control, or procedural integrity.



Display Board / Member Display

Control and Visuals of Remote Members

Since its introduction in 2020, the VVC system has been deployed in 26 legislative chambers across 19 states, supporting both remote and hybrid operations in venues including:

AL House · AR House · CT House · GA House · ME Senate & House · MD Senate & House · MI House · MN Senate · MO House · MT Senate & House · NM House · ND Senate & House · OH House · OK Senate & House · OR House · RI Senate & House · SC House · TN Senate & House · TX House

Seamless Extension of xmLegislator™ Voting System

The VVC system is not a stand-alone product; it is a fully integrated extension of xmLegislator™. All actions taken through the VVC interface are processed by the same voting services that support the Chamber's physical voting consoles. This ensures:

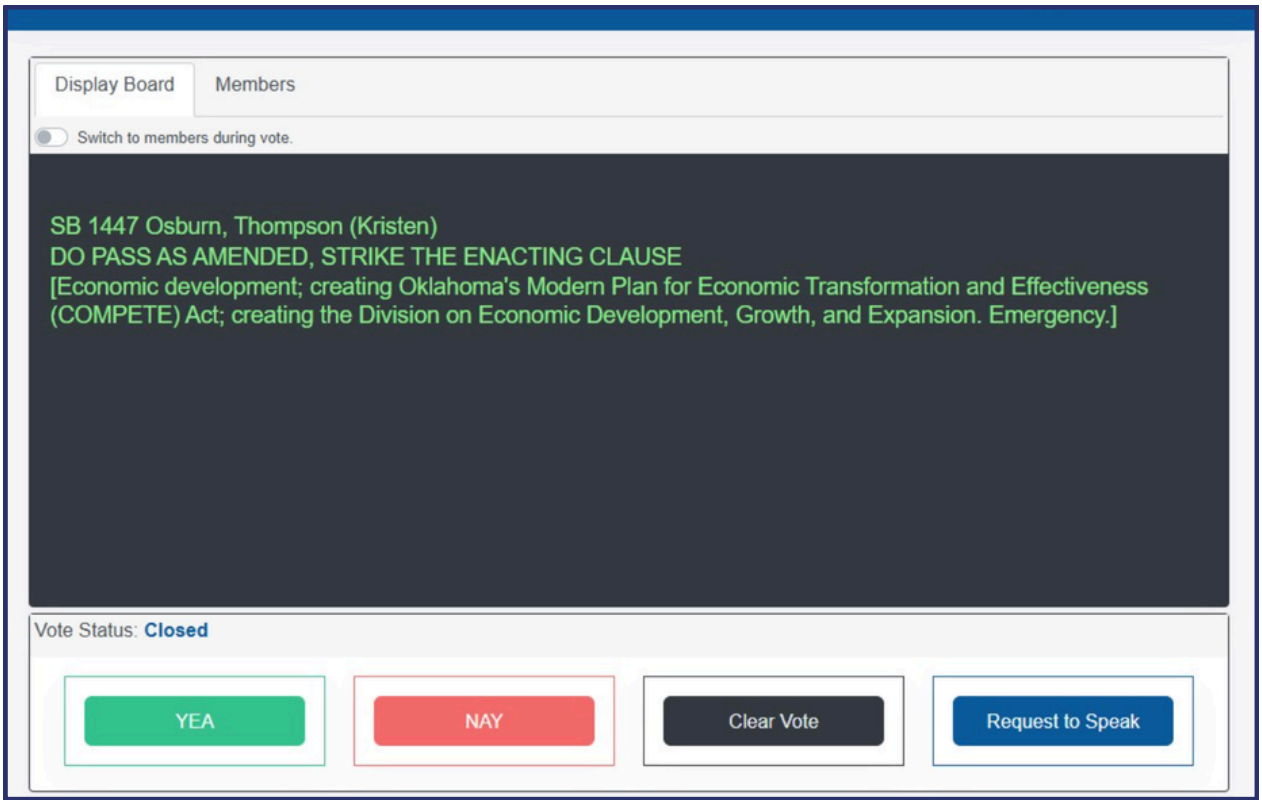
- Real-time synchronization between VVC, Member desks, and Chamber display boards, including indication of usage within the xmLegislator™ Vote Operator screen
- Consistent rules and business logic for quorum, vote validation, and reporting
- Unified management of user accounts, permissions, and audit trails within xmLegislator™

Because the VVC is licensed as a module within xmLegislator™, it can be configured and managed using xmLegislator™ administration tools that are familiar to staff, thereby minimizing the learning curve for IT staff and Chamber operations teams.

Security, Authentication, and Compliance

The VVC system is built around a layered security model. Notable security features include:

- Encrypted Communications: All traffic is protected via SSL/TLS encryption, ensuring data in transit is secure.
- Flexible Authentication Options
  - Windows Integrated Authentication using the local domain controller
  - Azure Active Directory / OpenID Connect for enterprise single sign-on (SSO)
  - Standard username/password authentication managed directly within xmLegislator™
- Passkey & Biometric Authorization
- VVC supports passkey/biometric technologies such as Windows Hello, fingerprint readers, and compatible facial recognition.
  - For high-assurance environments, chambers can require biometric confirmation each time a vote is opened, ensuring that the individual physically present at the device is the one casting the vote.
  - Biometric credentials are stored as device-specific cryptographic tokens rather than raw biometric images, providing strong security and privacy protections.
- Session Control & Inactivity Detection
  - Configurable settings limit each user to one active VVC session at a time, reducing the risk of shared or duplicated sessions.
  - An inactivity timeout continually checks whether a browser session is still active, allowing the system to cleanly log out stale sessions.
- Operator Overrides & Desk Locking
  - When a Member is using VVC, xmLegislator™ can lock the physical desk buttons to prevent duplicate or conflicting input.
  - Voting operators can manually log out Members from VVC if they return to the Chamber and need to resume using their physical console.
  - Visual indicators in xmLegislator™ show which Members are currently logged in via VVC, improving situational awareness for staff.



Display Board/Member Display

Member & Staff Experience

VVC is designed to feel like a natural extension of the Member's Chamber experience, not a secondary tool. Through the VVC user interface, Members and authorized users can utilize voting and communication functions including:

- View bill and motion information (the same data that appears on the Chamber display boards)
- See vote status indicators (Vote Open / Vote Closed) and live vote totals
- Cast votes in real time: Yea, Nay, Not Voting, etc.
- Access key Member console tools, such as:
  - Request to Speak (RTS)
  - Page functions
  - Summons and related Member actions
- View the RTS queue, including who is in line and on which item
- See a Member roster with vote indicators, optionally in a dedicated "Display Board" tab
- Display their name and headshot in the VVC interface, reinforcing identity and helping staff visually confirm the logged-in user

VVC is designed to be responsive across multiple devices and platforms, including desktops, laptops, and tablets. Configuration options allow the interface to be tuned for specific device types, screen sizes, and Member preferences.

Advanced Configuration & Customization

The VVC is highly configurable, enabling the application to meet the unique needs and traditions of each Chamber:

- Button Layout & Behavior
  - Enable or disable specific functions (e.g., Page, RTS, second RTS button, Absence/Excuse).
  - Control where and how voting buttons appear on the screen.

- Automatic Screen Switching
  - When a vote opens, the system can automatically switch the Member's view from the Display tab to the Member Roster tab.
  - After the vote closes, the screen can automatically return to the display view.
  - This behavior can be made mandatory or optional via a simple configuration setting.
- Visual Design & Theming
  - Button colors for (Yea/Nay/RTS/Paging) and other visual elements are controlled via CSS stylesheets, allowing extensive theming without redeploying the application.
  - Layout options (e.g., button placement, display window size, number of names per column) can be adjusted in configuration files rather than code.

- Custom Views & Use-Case Specific Screens
  - Chambers can create specialized views for non-voting participants (e.g., clerks, whips) that show live results and Member votes without providing vote buttons.
  - Majority/minority or caucus-specific layouts, split-screen displays, and filtered views can be configured to meet local procedural needs.

These configuration options are documented in an extensive technical guide intended for IT staff and system administrators, enabling them to fine-tune the system or coordinate with IRC support for more advanced customizations.

Product History and Operational Use Cases

While VVC was originally developed in response to urgent remote and hybrid voting needs during the COVID-19 pandemic, its utility has since proven valuable well beyond emergency scenarios. Current client use cases include:

- Remote Participation for Members who are temporarily unable to be physically present in the Chamber.
- Hybrid Sessions, where some Members are on the floor while others participate remotely or from auxiliary rooms.
- Temporary Relocation of Chambers during construction or renovations, with VVC serving as the primary voting mechanism (as implemented in the Oregon House of Representatives).
- Support for Non-Voting Roles, providing specialized views for clerks, leadership staff, and whips to monitor voting in real time.
- Enhanced Identity Assurance, such as Minnesota's biometric requirement that Members re-authorize at each vote, reducing the risk of proxy or unauthorized voting.

Across these scenarios, VVC delivers a consistent, auditable voting experience fully aligned with xmLegislator™ core rules and reporting.

Future-Readiness & Scalability

As legislative operations continue to evolve, VVC provides chambers with flexibility to adapt to changing needs without replacing core infrastructure. Whether supporting occasional remote participation, full hybrid operations, or temporary chamber relocations, VVC scales seamlessly to meet demand while maintaining the security and procedural integrity that legislative operations require.

System Requirements

- Compatible with xmLegislator™ version 5.0 or higher
- Supports Windows, macOS, iOS, and Android devices
- Requires modern web browser (Chrome, Edge, Safari, Firefox)
- Network: Standard HTTPS port 443; bandwidth requirements minimal
- Servers: Currently runs on IIS 10 or higher within Windows
- Optional: Windows Hello, Touch ID, or compatible biometric devices

Implementation & Ongoing Support

International Roll-Call® provides comprehensive support throughout the VVC lifecycle:

- Consultation & planning: Work with your team to determine authentication requirements, configuration preferences, and procedural needs
- Installation & testing: Deploy and validate VVC within your existing xmLegislator™ environment with minimal disruption
- Training & documentation: Provide staff training, Member orientation materials, and detailed technical documentation
- Ongoing support: 24/7 availability during session and responsive technical support year-round
- Continuous improvement: Regular updates to incorporate security enhancements, usability improvements, and new capabilities

MODERNIZE YOUR CHAMBER WITH THE VIRTUAL VOTING CONSOLE (VVC)—A SECURE, CONFIGURABLE EXTENSION OF XMLEGISLATOR™ THAT ENABLES REMOTE AND HYBRID PARTICIPATION WITHOUT COMPROMISING TRANSPARENCY OR PROCEDURE. OUR TEAM WORKS DIRECTLY WITH LEGISLATIVE IT, CLERKS, AND STAFF TO TAILOR AUTHENTICATION, MEMBER TOOLS, AND REAL-TIME VISIBILITY TO YOUR CHAMBER'S NEEDS, ENSURING A RELIABLE AND SEAMLESS VOTING EXPERIENCE.

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