

SUVS-r: Secure Unencrypted Voting Scheme with revocation

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We developed a voting protocol that ensures the **anonymity** of the voter and the **transparency** and **correctness** of the results even with **non-trusted authorities**.

The protocol highlights are: **Universal verifiability**, where any entity can verify the elections results; **Vote Immutability**, with votes that cannot be altered (achieved by the Public Bulletin Board); **Revocation**, which allows a voter changing its vote; and **Cast-as-Intended**, where votes are recorded accurately (Step Y).

The security and privacy of the elections is ensured by combining *Blind signatures* and a novel ballot construction, that divides the ballot into shares, distributing the trust into all the parties involved.

