

## Press release

### News from the research department: Polyas to introduce cast-as-intended verification

**Berlin, 09.26.2017, e-vote-ID Conference, Bregenz:**

**Polyas is to introduce a new cast-as-intended system, which will enable ballots to be verified by individual voters. This is how it works:**

On electronic ballot papers there is a so-called return code. Upon submitting their ballots, voters receive the code, which corresponds to the code in the system. This code confirms that their vote has indeed been cast as intended. If the voter confirms that their vote is correct, their ballot is submitted into the digital ballot box. If not, they may re-cast their ballot.

This verifiability fulfills the principle of cast-as-intended verifiability, which is one of the most pressing challenges facing online voting. By allowing the voter to check and re-cast their ballot, this issue can be securely and anonymously solved.

Polyas' election system is divided up into multiple steps that voters have to go through in order to cast their ballots. These steps help to prevent external manipulation in the election system. Attackers would need to successfully attack several places at once. While this new solution does require more processing power, the additional burden placed on the election system servers remains manageable.

At the E-Vote-ID conference, our Head of Research and Cryptography Expert Dr. Tomasz will introduce our new cast-as-intended system. The E-Vote ID is one of leading international conferences on online voting and electronic voting-systems. It will take place from the 24th to the 27th of October 2017 in Bregenz, Austria.

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