The Independent Election Commission (IEC) is the result of comprehensive political reform efforts.

The purpose of the IEC is to guarantee that parliamentary and Municipality elections are conducted in agreement with international standards and to restore Jordanian citizens’ confidence in the electoral process and its results.

The Commission was established in 2011 and the its work 2012.

In this year IEC conducted the elections of Municipal and local Councils and the Council of Greater Amman Municipality,
"To be
an Electoral Administration of Excellence that
Enjoys the TRUST
of Citizens and Electoral Stakeholders"
Introduction

The **Electronic Results Management System (ERMS)** was developed by the IEC in accordance with the Election Law, to Manage the Voting and Results Tabulation Process.

All Polling Centers and Polling Stations are connected electronically to a Central Database located at the Commission.

A Disaster Recovery (backup) is located in a different location outside the Commission, and configured to take over in case of emergency.
During polling, it allows voter identity to be verified against the electronic voter list and prevents double voting by marking the voter in the central database once s/he has cast a ballot.

- Provide various statistics on the voting process:
  - Turnouts figure at Polling Station level, Center, District and Governorate.
  - Statistics by age group, gender.
  - Turnout figure by minutes, hour, etc.

The various statistics are live streamed on a large screen at the media center.

After the counting process, the system allows the data entry of polling station results and counting reconciliation data.

The preliminary results of the election is available along with the number of valid, invalid and blank ballots.

Each Polling Station is equipped with a CAMERA that only used to record the counting process, and Displayed in front of the Observers, Candidates and their Representatives.
Monitor displays the Election System to Observers, Candidates, Agents and Media

### Election System Screen / Polling

<table>
<thead>
<tr>
<th>Number of Voters in PS</th>
<th>Governorate</th>
<th>District</th>
<th>Polling Center</th>
<th>Polling Station</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Enquiring by Voter National Number</th>
<th>Voter Serial Number in the list</th>
<th>Voter National Number</th>
<th>Full Name</th>
<th>Birthdate</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>192998</td>
<td>958505008</td>
<td></td>
<td>22/11/1996</td>
</tr>
</tbody>
</table>

- Voter didn't vote before and he has the right to vote in this PS
- Change Status

© 2014
Media Center / Polling

Once the voter has voted, the electronic voter list is marked and the turnout is displayed automatically in the station. The turnout is also visible at the media center.
Use of Camera

Components of the ERMS
Components of ERMS

Infrastructure and Connectivity:

- Each of the 4,884 Polling Stations are equipped/provided with:
  - 1. ADSL
  - 2. 3G/4G service
  - 3. SMS

- The connection is secured through a (VPN) Virtual Private Network and disconnected from the internet (Network just for public election)

- The Disaster Recovery center (DR) is on standby and can be activated immediately.

Electoral online system:

- Each polling station contains the electronic voter lists of that stations, the candidate name, photo and lists of the related districts.

Geographic Information System (GIS)

- Used to automatically assign 4,130,145 voters to polling centers and polling station.
- Allowed a real-time monitoring of all polling stations.
- Allowed voters to find their polling center and observers, guests and journalists to find polling centers location easily.
Objectives of ERMS

- During polling, it allows voter identity to be verified against the electronic voter list and prevents double voting by marking the voter in the central database once s/he has cast a ballot.
- Provide various statistics on the voting process:
  - Turnouts figure at Polling Station level, Center, District and Governorate.
  - Statistics by age group, gender.
  - Turnout figure by minutes, hour, etc.
- The various statistics are live streamed on a large screen at the media center.

A screen of monitoring Polling and Counting Centers. The **Green** color indicates that all ballot boxes are operating with no problems. The **Red** colour indicates there is a problem at the level of the polling center. The **Yellow** colour indicates there is a problem at the level of the ballot box, the screen works at governorate level, districts and polling centers.
Find your Polling Center

- Final Voters List (FVL)
- Enter National Number

- Prevention of multiple voting. Voter can vote in one polling station only.
- Availability of turnout by Age group, Gender, District at Polling Station and live stream at the Media Center.
- Preliminary results available shortly after the close of polling.
- It can allow auditing of the election results by all stakeholders.
- Ensure the highest degree of accuracy in the results by audit the electronic results with paper results
- Follow up on and monitor polling centers in electoral districts
Challenges

- Deliberate sabotage of cables and power generators.
- Distributing voters on polling centers based on their residential addresses, and enabling polling officials to vote.
- Installation and configuration of all equipment and communication devices for 4,884 polling stations.
- Training of 6,000 data entry clerks and technical liaison officers on the electronic system.

Thank You