E-vote 2011

3.5 Approval of p-votes and ballots

MINISTRY OF LOCAL GOVERNMENT
AND REGIONAL DEVELOPMENT

Case no:
Version:
Date: 10/9/2009

E-vote 2011

Use case specification: 3.5 Approval of p-votes and ballots

Project: E-vote 2011

NORWEGIAN MINISTRY OF LOCAL GOVERNMENT
AND REGIONAL DEVELOPMENT

The E-vote 2011-project

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1. Executive Summary

The system must facilitate the approval of:

1. Votes and ballots received in a cover envelope. Votes received in cover envelopes are:
   a. Votes received on Election Day including:
      i. Voters that have cast an advance paper vote
      ii. Voters that do not exist in the Electoral Roll of the municipality
   b. Advance votes including:
      i. Domestic votes
      ii. Votes from abroad
2. Ballots received on Election Day. This includes questionable ballots (that may not meet the requirements §10-3) identified by the Polling Committee.

The Electoral Committee is responsible for the approval of votes and ballots.

Rejected votes and ballots must be stored in the system with a reason. Approved votes and ballots will form the basis for the use cases 'Electronic Counting of p-votes' and 'Manual registration of vote results'.

2. Purpose

The purpose of this use case is to to keep a record of all approved and rejected votes and ballots..

3. Actors

Actor	Description
EC	Electoral Committee
ES	Election System
CEC	County Electoral Committee

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4. Pre-Conditions

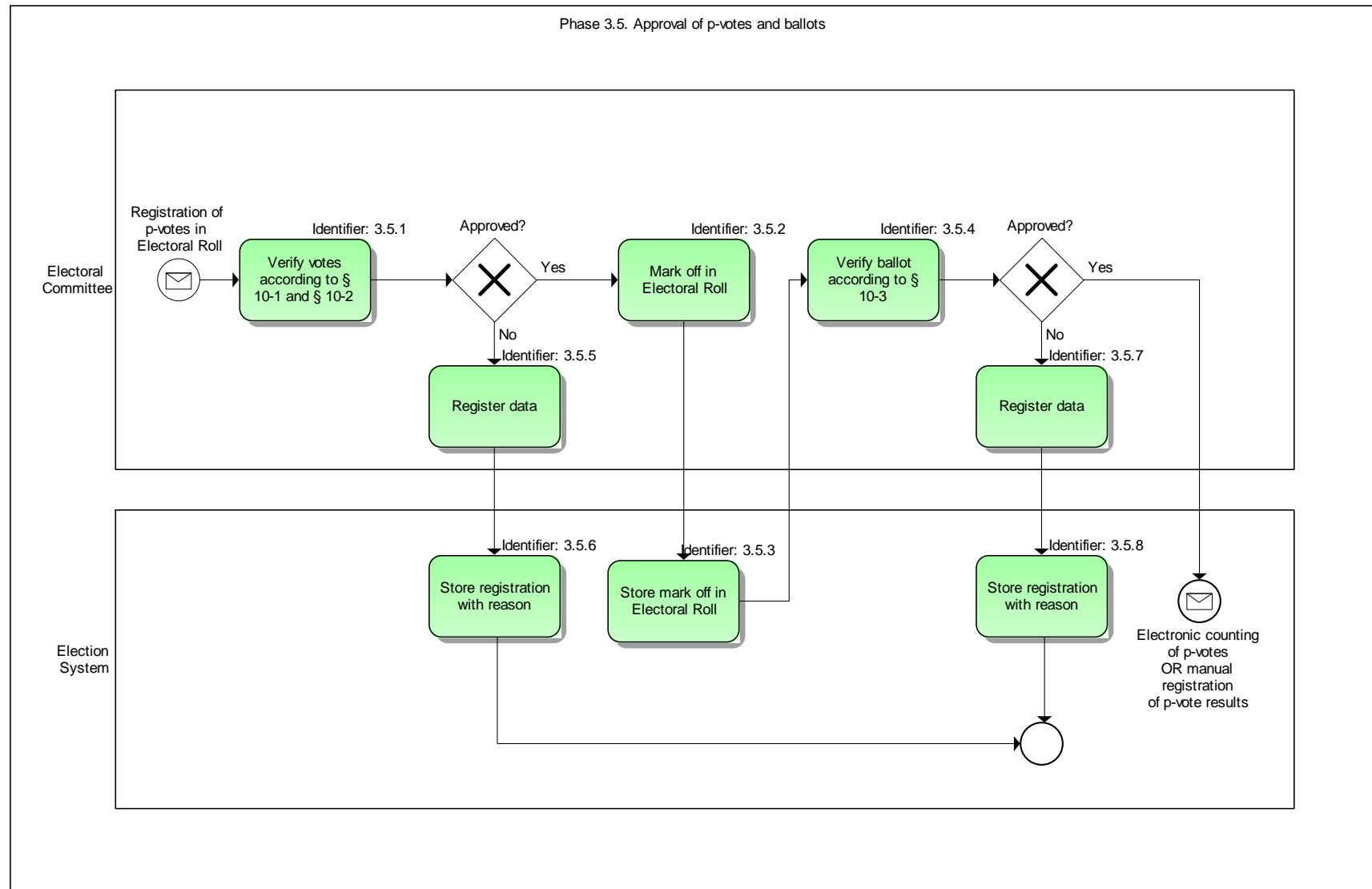| ID	Description	Comments
3.5.1	The Electoral Committee has received advance votes (domestic and from abroad)	See AS IS document for more details on advance votes, votes on election day and the approval process.
3.5.2	The Electoral Committee has received votes in special cover on Election Day	
3.5.3	The Electoral Committee has received ballots from the Polling Committee on Election Day	

5. Post-Conditions

ID	Description	Comments
3.5.5	The Electoral Roll receives a final mark off for approved votes.	Forms the basis for 3.2 'Manual registration of p-vote results' and 3.3 'Electronic Counting of e-votes'
3.5.6	Rejected votes will be stored with a reason	
3.5.7	Rejected ballots will be stored with a reason	

6. Trigger

There is a need for approval of votes and ballots.

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7. Main Flow - Functional Requirements

Phase 3.5. Approval of p-votes and ballots

Electoral Committee

Registration of p-votes in Electoral Roll

Identifier: 3.5.1
Verify votes according to § 10-1 and § 10-2

Approved?
Yes

Identifier: 3.5.2
Mark off in Electoral Roll

Identifier: 3.5.4
Verify ballot according to § 10-3

Approved?
Yes

No
Identifier: 3.5.5
Register data

No
Identifier: 3.5.7
Register data

Election System

Identifier: 3.5.6
Store registration with reason

Identifier: 3.5.3
Store mark off in Electoral Roll

Identifier: 3.5.8
Store registration with reason

Electronic counting of p-votes OR manual registration of p-vote results

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7.1.   Approval of votes and ballots

ID	Actor	Function (Requirement)	Requirement description	Ref
F 3.5.1	EC	Verify vote according to §10.1 and §10.2	Votes received in a cover envelope will have to be verified (Set as approved or rejected with reason) according to the law (§10-1 and §10-2).	A1
F 3.5.2	EC	Mark off in Electoral Roll	The Electoral Committee must be able to mark the voter off in the Electoral Roll.	
F 3.5.3	ES	Store mark off in Electoral Roll	The system shall store the vote as approved and mark off voter in the electoral roll (Final mark off).	
F 3.5.4	EC	Verify ballot according to §10.3	Ballots from votes received in cover envelope and questional ballots from the Polling Committee will have to be verified (Set as approved or rejected with reason) according to the law (§10-3).	A2

7.2.   Alternate flow 1 – Rejected votes (A1)

ID	Actor	Function (Requirement)	Requirement description	Ref
F 3.5.5	EC	Register data	The Electoral Committee must be able to register rejected votes with a reason according to (§10-1 and §10-2)	
F 3.5.6	ES	Store rejection with reason	Rejected votes will not be marked off in the electoral roll. The rejection must be stored with a reason.	

7.3.   Alternate flow 2 – Rejected ballots (A2)

ID	Actor	Function (Requirement)	Requirement description	Ref
F 3.5.7	EC	Register data	The Electoral Committee must be able register rejected ballots with a reason according to (§10-3)	
F3.5.8	ES	Store rejection with reason	The rejection must be stored with a reason.	

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8. Non-Functional Requirements

8.1.   Accessibility and usability

ID	Requirement description	Ref
3.5.10	See 'Accessibility and usability requirements'	8.1

8.2.   Security

ID	Requirement description	Ref
OS13.10	The audit functions of the election system shall provide the ability to verify that an recording of e-votes and counting of e-votes and p-votes has complied with the applicable legal provisions, and that the election results are an accurate representation of the authentic votes.	
OS13.14	The registration / approval of votes in separate cover shall be recorded in the audit system of the election system.	

8.3.   Rules & regulations

ID	Requirement description	Ref
3.5.12	This use case refers to chapter 8 in regulations relating to parliamentary and local government elections (Representation of the People Regulations) http://www.regjeringen.no/upload/KRD/Kampanjer/valgportal/Regelverk/Regulations_2003_EN_170609.pdf	
3.5.13	This use case refers to regulations described in the Representation of the People Act (the Election Act) chapter 10. http://www.regjeringen.no/upload/KRD/Kampanjer/valgportal/Regelverk/Representation_of_the_People_Act170609.pdf	
3.5.14	This use case also refer to the Council of Europe e-vote Recommendation Rec(2004) 11. http://www.coe.int/t/dgap/democracy/activities/GGIS/E-voting/Key_Documents/Rec(2004)11_Eng_Evoting_and_Expl_Memo_en.pdf	