



E-vote 2011

Use case specification: 1.1 Submission of list proposals

Project: E-vote 2011





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1. Executive Summary

The system must facilitate the submission of list proposals by political groups and parties for an election. The format of the lists proposals is based on a pre-configured template (See use case 0.2 'Configuration of the Election System'). The following functionality must be available:

1. Manual data entry/import of list proposal candidates
2. Verification of candidates against the Electoral Roll
3. Duplication check of candidates
4. Registration of list proposal signatures (Signer ID)
5. Verification of signatures against the Electoral Roll
6. Duplication check of signatures
7. Approval of list proposal by representatives from party/group
8. Publishing of list proposals to the general public
9. Notification to all candidates that they have been added to the list proposals.

2. Purpose

The purpose of this use case is to provide self-service submission of list proposals for political groups, parties and election representatives.

3. Actors

Actor	Description
Party/ Group	Party: Political party registered in 'The Register of Political parties' which is part of the 'The Brønnøysund Register Centre' according to R.P.A, chapter 6. Group: Groups that apply to certain regulations provided by the R.P.A, chapter 6.
ES	The Election System
EC	Electoral Committee

4. Pre-conditions

ID	Description	Comments
1.1.1	Parties/group users are provided with relevant authentication for the entry and approval of list proposals depending on their role.	See use case 0.1 'Definition of roles' See use case '9.1 'Authentication'
1.1.2	Internal party/group codes exists in the Election System.	See function 0.2.3 in use case 0.2 'Configuration of Election System'.



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1.1.3	The election has been configured.	See use case 0.2 'Configuration of Election System'.
1.1.4	The Electoral Roll is available.	See use case 0.3 'Electoral Roll'
1.1.5	Party/Group has nominated candidates for their list proposal	
1.1.6	The party/group has collected signatures for the list proposal	

5. Post-Conditions

ID	Description	Comments
1.1.9	List proposal candidates are stored in the system	
1.1.10	List proposal signatures are stored in the system	
1.1.11	Approved list proposals are stored in the system for further processing.	The use-case forms the basis of use-case 1.2 Processing list proposals

6. Trigger

The need for entering list proposals in the preparation of a election. The period in which this functionality is available must be configurable.

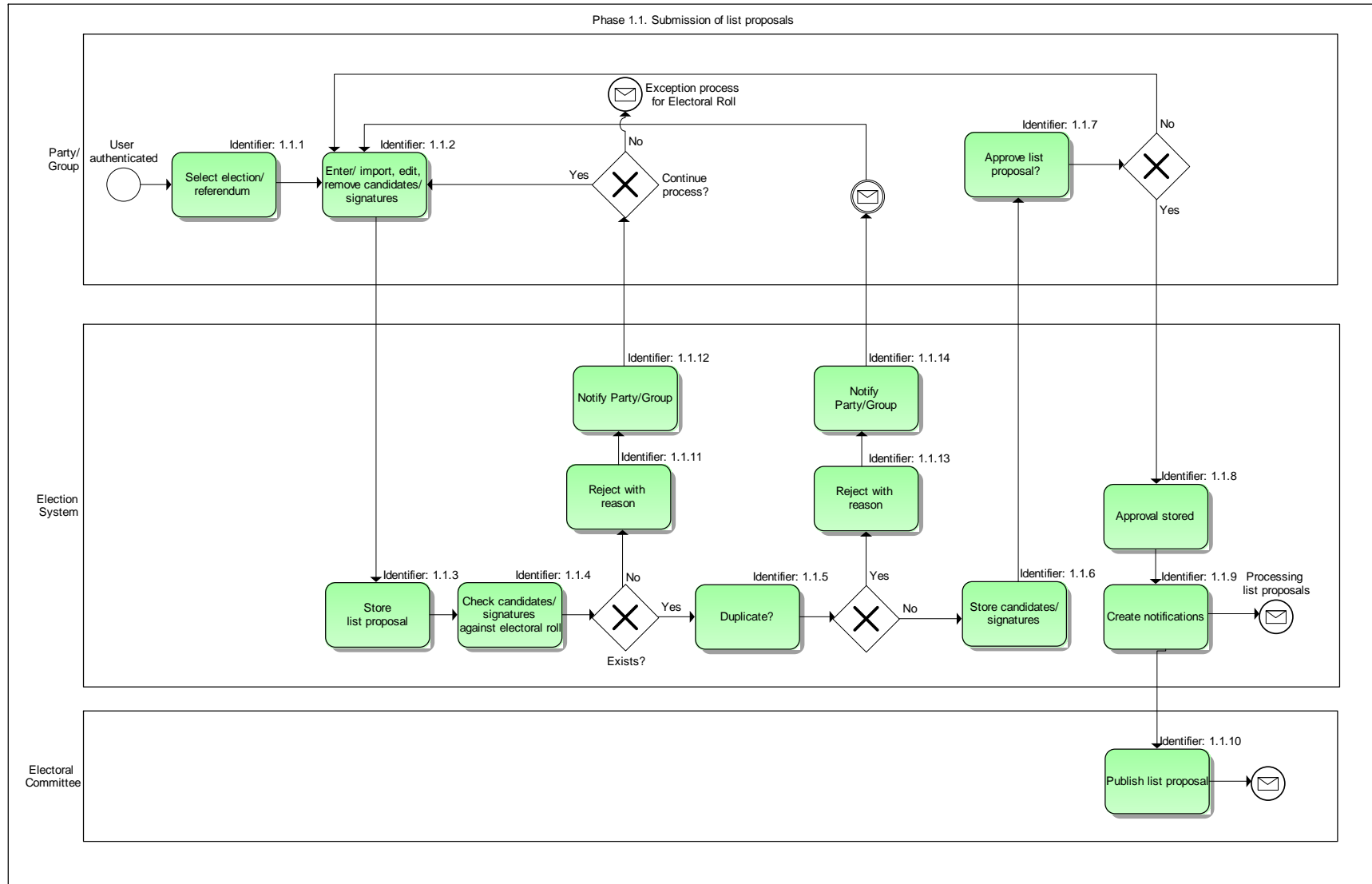


7. Main Flow - Functional Requirements

7.1. Detailed flow - functional requirements



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ID	Actor	Function (Requirement)	Requirement description	Ref
F 1.1.1	Party/	Select	Party/group representative must be able to select the election/referendum he/she	



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	Group	election/referendum	wants to manage candidates/signatures for.	
F 1.1.2	Party/ Group	Enter/import, edit, remove candidates/ signatures	<p>A representative for a party/group must be able to enter or import (csv, xls, etc.), edit and delete list proposal candidates and signatures. Extra preferences may be given to certain candidates (Highlight top candidates) depending on the election type. The system must have functionality for recognizing signatures through scanning (ICR) and functionality for attaching the scanned file to the list proposal. The Party/Group must also be able to attach the signatures to the list proposals manually.</p> <p>The system must have functionality for previewing a list proposal in the format required for the production of ballot papers.</p> <p>The party/group must be able to withdraw their list proposal up until a pre-configured date (§6-5). The system shall notify the Electoral Committee if the list proposal is withdrawn.</p>	
F 1.1.3	ES	Store list proposal	The list proposal is stored in the system.	
F 1.1.4	ES	Check candidates/ signatures against Electoral Roll	<p>The system shall check candidates and identification from signatures (signer ID) against the Electoral Roll.</p> <p>The system shall also check the number of names of candidates and signatures on a list proposal according to §6-2 and §6-3.</p>	E1
F 1.1.5	ES	Check duplicates	The system must be able to detect duplicates candidates and signatures across list proposals.	E2
F 1.1.6	ES	Store candidates/ signatures	The system must store the candidates and signatures.	
F 1.1.7	Party/ Group	Approve list proposal	The system must have functionality for approving a list proposal by a authorized party/group representative.	E3
F 1.1.8	ES	Approval stored	Approval is stored in the system	
F 1.1.9	ES	Create notifications	<p>The system must notify the Electoral Committee and the parent organisation (If the party/group is a child organisation of another party/group) when a list proposal has been approved.</p> <p>The system shall create notifications to all candidates on the list proposals. The notification shall include the candidate's rights according to the law and deadline for applying for exclusion from the party list.</p>	
F 1.1.10	EC	Publish list proposal	From the received notification the Electoral Committee must be able to publish	



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			the list proposals (External web page and for printing - See use case 5.1 Reporting)	
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8. Exception Flows

8.1.Exception flow 1 – Candidate/signatures rejected (E1)

ID	Actor	Function (Requirement)	Requirement description	
F 1.1.11	ES	Reject with reason	The system shall store the rejection with a reason.	
F 1.1.12	ES	Notify party/group	The system shall notify the party/candidate with a verification error and information of how to handle the error or deviation.	

8.2.Exception flow 2 – Duplicate candidate (E2)

ID	Actor	Function (Requirement)	Requirement description	
F 1.1.13	ES	Reject with reason	The system shall store the rejection with a reason	
F 1.1.14	ES	Notify party/group	The system shall notify the party/candidate with a verification error and information of how to handle the error/deviation.	
F 1.1.2	Party/ Group	Enter/import, edit, remove candidates/signatures	See description F1.1.2.	

8.3.Exception flow 3 – List proposal not approved by party/group (E3)

ID	Actor	Function (Requirement)	Requirement description	
F1.1.2	Party/ Group	Enter/import, edit, remove candidates/signatures	See description F1.1.2.	



9. Non-Functional Requirements

9.1. Accessibility and usability

ID	Requirement description	Ref
1.1.12	See use case 'Accessibility and usability requirements'	8.1

9.2. Security

ID	Requirement description	Ref
OS8.14	The sources of the data containing the electoral roll and the lists of candidates shall be authenticated.	
OS10.1	The authenticity, availability and integrity of the voters' registers and lists of candidates shall be maintained.	

9.3. Rules & regulations

ID	Requirement description	Ref
1.1.13	This use case refers to regulations described in the Representation of the People Act (the Election Act) chapter 6. http://www.regjeringen.no/upload/KRD/Kampanjer/valgportal/Regelverk/Representation_of_the_People_Act170609.pdf	
1.1.14	This use case refers to chapter 3 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	
1.1.15	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	

9.4. Performance (frequency)

ID	Requirement description	Ref
P 1.1.1	General election – ~10-20 parties/groups, 3600 candidates County election - ~ 18 parties/groups, 7000 candidates over a 3 month period (19 counties) Municipality election - ~ 221 parties/groups, 63 000 candidates over a 3 month period (430 municipalities)	

