MINISTRY OF LOCAL GOVERNMENT
AND REGIONAL DEVELOPMENT

E-vote 2011

Use case specification: 0.3 Electoral Roll

Project: E-vote 2011

NORWEGIAN MINISTRY OF LOCAL GOVERNMENT
AND REGIONAL DEVELOPMENT

The E-vote 2011-project

0.3 Electoral Roll

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Case no:
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CONTENT

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1. Executive Summary

The system shall include a service providing Electoral Roll updates from the Population Registry during the election period. The Directorate of Taxes provides the Electoral Roll schema based on a specification supplied by the Ministry.

2. Purpose

The purpose of this use case is to receive Electoral Roll updates from the Population Registry during an election.

3. Actors

Actor	Description
The Directorate of Taxes (SKD)	Owner of the Population Registry, of which the Elector Roll is a subset.
Election System (ES)	The Election System

4. Pre-Conditions

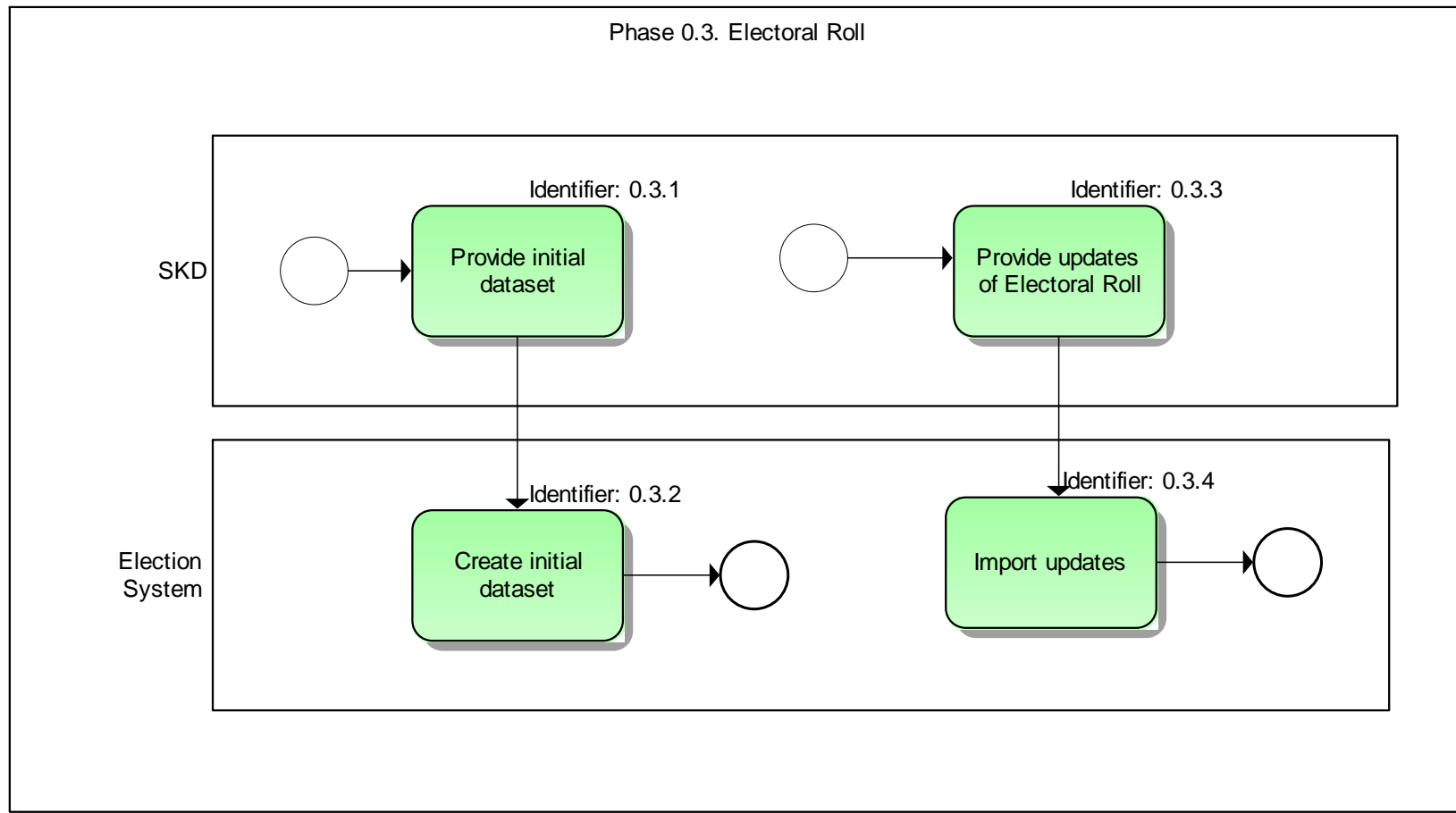| ID	Description	Comments
0.3.1	The Ministry has created the specification for the Electoral Roll schema.	
0.3.2	The update schedule for the Electoral Roll has been configured	See use case 0.2 'Configuration of the Election System'

5. Post-Conditions

ID	Description	Comments
0.3.3	The Electoral Roll is updated.	

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6. Trigger

The need for execute an election.

7. Main Flow - Functional Requirements

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7.1.   Main flow 1 – Create initial load

ID	Actor	Function (Requirement)	Requirement description	Ref
F 0.3.1	SKD	Provide initial dataset	SKD provides the Electoral Roll dataset	
F 0.3.2	ES	Create initial dataset	The Election System shall load the initial Electoral Roll dataset	

7.2.   Main flow 2 – Import updates

ID	Actor	Function (Requirement)	Requirement description	Ref
F 0.3.3	SKD	Provide updates of Electoral Roll	SKD provides Electoral Roll updates	
F 0.3.4	ES	Import updates	The Election System shall receive updates from the Electoral Roll in time period and intervals configured for the Election/Referendum. The system shall notify the system administrator regarding exceptions. IMPORTANT: All changes to the registry are transferred unprocessed, transaction by transaction. This means that both errors and corrections are transferred. The ES should take this into account, and not process errors that will be corrected in a later transaction. The system shall include a voters' register which presents the latest updates. The voter must be able to check, as a minimum, the information which is held about him/her on the register, and request corrections.	

8. Non-Functional Requirements

8.1.   Accessibility and usability

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

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8.2. 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.	

8.3. Rules & regulations

ID	Requirement description	Ref
0.3.5	This use case refers to regulations described in the Representation of the People Act (the Election Act) chapter 2. http://www.regjeringen.no/upload/KRD/Kampanjer/valgportal/Regelverk/Representation_of_the_People_Act170609.pdf	
0.3.6	This use case refers to regulations relating to parliamentary and local government elections (Representation of the People Regulations) chapter 1. http://www.regjeringen.no/upload/KRD/Kampanjer/valgportal/Regelverk/Regulations_2003_EN_170609.pdf	
0.3.7	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	

8.4. Performance (frequency)

ID	Requirement description	Ref
P 0.3.1	For F 0.3.4 potentially as many as 1 million transactions/hour at peak.	