



# ***E-vote 2011***

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**Use case specification: 4.1 Reporting to SSB**

**Project: E-vote 2011**

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## 1. Executive Summary

The system must facilitate the export of data (system data and results) according to formats defined by SSB (See attachment from SSB 'File import election 2009'). It is expected that all system data and reports are available for export in the predefined formats. The system shall receive a confirmation from SSB regarding whether the data transfer succeeded or failed. The list below shows an example of data that may be transferred to SSB:

System data:

1. Configuration data (Party codes, contest information etc.)
2. List proposals

Election results:

1. Preliminary advance p-vote results
2. Final advance p-vote results
3. Preliminary Election Day results
4. Final Election Day results
5. E-vote results County
6. Total settlement (Municipal council election, Council election, Parliament election)

An export to SSB is triggered by the Electoral Committee, the County Electoral Committee or the National Electoral Committee.

## 2. Purpose

The purpose of this use case is to provide SSB and media with system data and election results.

## 3. Actors

Actor	Description
EC	Electoral Committee
ES	The Election system
SSB	Statistics Norway



#### 4. Pre-Conditions

ID	Description	Comments
4.1.1	The system has been configured	See use case 0.2 'Configuration of Election System'
4.1.2	The list proposals have been approved by Electoral Committee	See use case 1.2 'Processing of list proposals'
4.1.3	Election results have been stored in the system	See use case 3.2 'Manual Registration of p-vote results' See use case 3.3 Electronic counting of p-votes See use case 3.4 Counting of e-votes See use case 4.2 Settlement

#### 5. Post-Conditions

ID	Description	Comments
4.1.4	The system stores confirmation from SSB and notifies Electoral Committee	

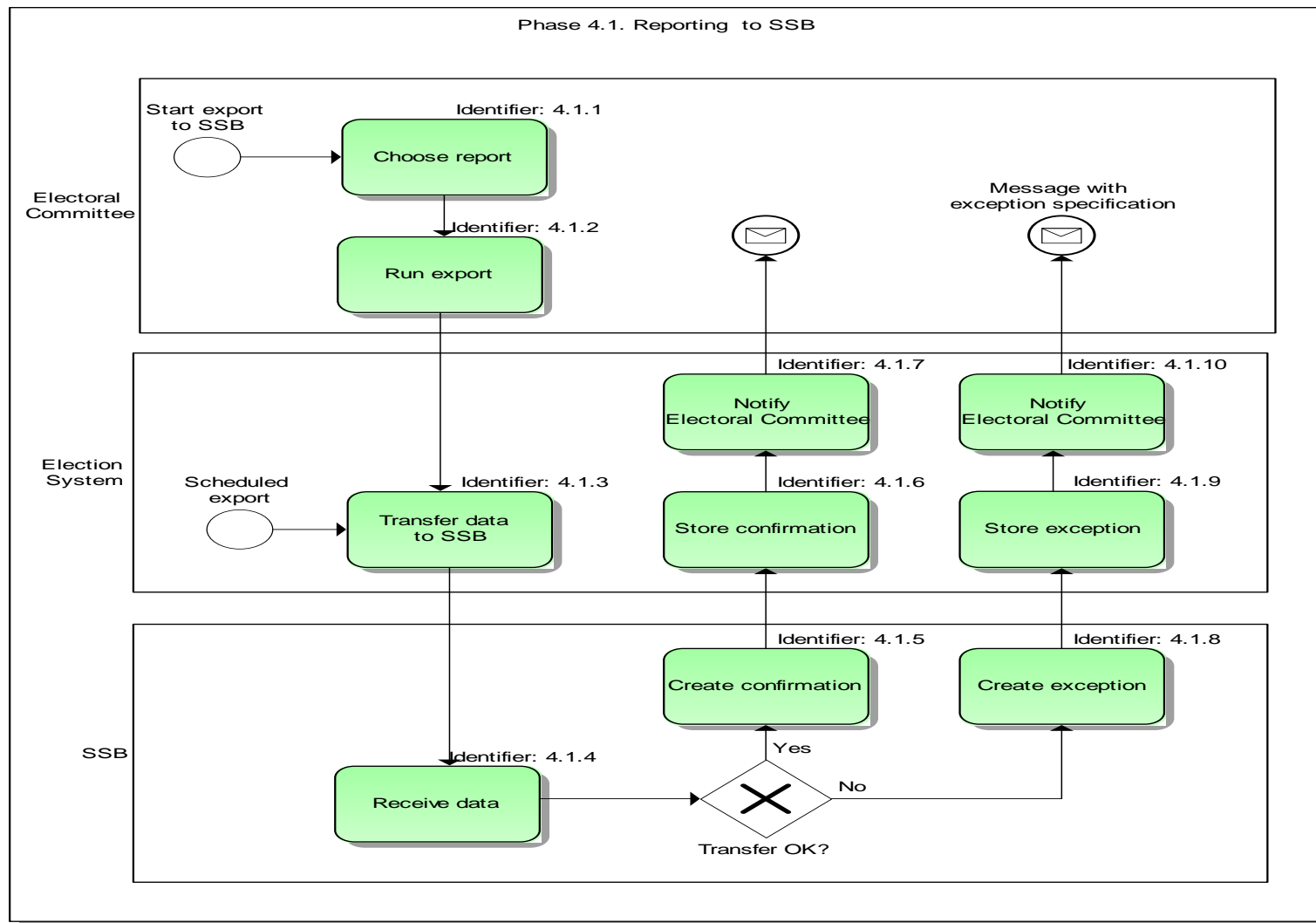
#### 6. Trigger

The need for exporting data to SSB and media.



## 7. Main Flow - Functional Requirements

### 7.1. Detailed flow - functional requirements





## 4.1 Reporting of results to SSB

ID	Actor	Function (Requirement)	Requirement description	Ref
F 4.1.1	EC	Choose report	The system must present reports which can be run.	
F 4.1.2	EC	Run export	The Electoral Committee must be able to select any report or system data from a contest and run an export data to SSB.	
F 4.1.3	ES	Transfer data to SSB	The system shall transfer data via a service in the formats defined by SSB.	
F 4.1.4	SSB	Receive data	SSB received data from the Election System	E1
F 4.1.5	SSB	Create confirmation	SSB creates a confirmation message which is sent back to the Election System	
F 4.1.6	ES	Store confirmation	The Election system stores the confirmation	
F 4.1.7	ES	Notify Electoral Committee	The Election System notifies the Electoral Committee regarding the confirmation	

## 7.2. Exception flow 1 (E1)

ID	Actor	Function (Requirement)	Requirement description
F 4.1.8	SSB	Create exception	SSB creates an exception message which is sent back to the Election System
F 4.1.9	ES	Store exception	The Election system stores the confirmation
F 4.1.10	ES	Notify Electoral Committee	The Election System notifies the Electoral Committee regarding the exception

## 8. Non-Functional Requirements

## 8.1. Accessibility and usability

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



## 8.2. Security

ID	Requirement description	Ref

## 8.3. Rules & regulations

ID	Requirement description	Ref
4.1.6	This use case refers to regulations described in the Representation of the People Act (the Election Act) chapter 9. <a href="http://www.regjeringen.no/upload/KRD/Kampanjer/valgportal/Regelverk/Representation_of_the_People_Act170609.pdf">http://www.regjeringen.no/upload/KRD/Kampanjer/valgportal/Regelverk/Representation_of_the_People_Act170609.pdf</a>	
4.1.7	This use case refers to regulations relating to parliamentary and local government elections (Representation of the People Regulations) <a href="http://www.regjeringen.no/upload/KRD/Kampanjer/valgportal/Regelverk/Regulations_2003_EN_170609.pdf">http://www.regjeringen.no/upload/KRD/Kampanjer/valgportal/Regelverk/Regulations_2003_EN_170609.pdf</a>	
4.1.8	This use case also refer to the <a href="http://www.coe.int/t/dgap/democracy/activities/GGIS/E-voting/Key_Documents/Rec(2004)11_Eng_Evoting_and_Expl_Memo_en.pdf">Council of Europe e-vote Recommendation Rec(2004) 11</a> . <a href="http://www.coe.int/t/dgap/democracy/activities/GGIS/E-voting/Key_Documents/Rec(2004)11_Eng_Evoting_and_Expl_Memo_en.pdf">http://www.coe.int/t/dgap/democracy/activities/GGIS/E-voting/Key_Documents/Rec(2004)11_Eng_Evoting_and_Expl_Memo_en.pdf</a>	