



# ***E-vote 2011***

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## **SSA-U Appendix 4 Project and Progress Plan**

**Project: E-vote 2011**

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**Change log**

Version	Date	Author	Description/changes
0.1	26.10.09		First version



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## 1. Implementation Methodology

In order to achieve the successful delivery of the E-vote 2011 project, Indra would like to propose an Implementation Plan based on the following pillars:

1. Our Quality Standards: the Company manages more than 20,000 projects per year. Our quality and environmental standards make us have a ratio of 96% of highly satisfied or satisfied clients. In addition, Indra is amongst the first 20 companies worldwide in Project Management.
2. The use of Indra's Project Management Methodology (*MIGP*) supported by web tools which allows our project managers to :
  - Identify project requirements
  - Establish clear and achievable objectives
  - Achieve a balance between the scope of the project, its schedule, required quality and costs
  - Adapt the specifications to meet stakeholders requirements and expectations
  - Manage risks
3. The Methodology for the Development of Software and Services (*MIDAS*): Indra's methodology for the development of operations implies the accomplishment of:
  - Initial study of the problem, the approach of the solution and the establishment of agreements
  - Development / reusability or acquisition / adaptation of components for the consecution of a system product
  - Integration of the system product in its natural surroundings of operation
  - Development of established warranty and maintenance periods
  - Closing and transference to client the complete product system
4. The set up of Collaborative Management Practices: only by working hand in hand with The Ministry and stakeholders we will ensure a fluent information flow and cooperation which will revert into the benefit of the project. Our goal is to build a comprehensive solution (including the development of associated processes) that addresses in full what the customer and stakeholders requirements and expectations are.
5. The implementation of a comprehensive testing programme scheduled in several stages during 2010 (Please refer to Attachment 6 for detail information on Testing Strategy)

## 2. Project Plan

### 2.1. General requirements

#### Elaboration of Requirement GR3.1

See Project Plan below.

#### Elaboration of Requirement GR3.2

See Project Plan below.

Elaboration of Requirement GR3.3

See Project Plan below.


Id	Nombre de tarea	Comienzo	Fin	Predecesoras	Nombres de los recursos
1	<b>2011 e-Vote System Development</b>	<b>vie 15/01/10</b>	<b>mié 22/12/10</b>		
2	Requirements Baseline Approval	vie 15/01/10	vie 15/01/10		
3	<b>Partial Deliveries</b>	<b>lun 08/02/10</b>	<b>vie 30/07/10</b>		
4	<b>e-Voting</b>	<b>lun 08/02/10</b>	<b>vie 05/03/10</b>		
5	2.1 e-Voting	lun 08/02/10	lun 08/02/10		Indra Technical Team; Indra IT Team
6	KRD Approval of Use Case 2.1	vie 19/02/10	vie 19/02/10	5	KRD Test Team; KRD Technical Team
7	3.4 Counting e-votes	lun 22/02/10	lun 22/02/10		Indra Technical Team; Indra IT Team
8	KRD Approval of Use Case 3.4	vie 05/03/10	vie 05/03/10	7	KRD Test Team; KRD Technical Team
9	<b>Election Administration</b>	<b>lun 08/03/10</b>	<b>vie 04/06/10</b>		
10	9.1 Authentication	lun 08/03/10	lun 08/03/10		Indra Technical Team; Indra IT Team
11	KRD Approval of Use Case 9.1	vie 19/03/10	vie 19/03/10	10	KRD Test Team; KRD Technical Team
12	0.3 Electoral Roll	lun 15/03/10	lun 15/03/10		Indra Technical Team; Indra IT Team
13	KRD Approval of Use Case 0.3	vie 26/03/10	vie 26/03/10	12	KRD Test Team; KRD Technical Team
14	1.1 Submission of Lists Proposal/1.2 Processing of Lists Proposals	mar 30/03/10	mar 30/03/10		Indra Technical Team; Indra IT Team
15	KRD Approval of Use Cases 1.1/1.2	mar 13/04/10	mar 13/04/10	14	KRD Test Team; KRD Technical Team
16	0.2 Configuration of the Election System	vie 16/04/10	vie 16/04/10		Indra Technical Team; Indra IT Team
17	KRD Approval of Use Case 0.2	vie 30/04/10	vie 30/04/10	16	KRD Test Team; KRD Technical Team
18	0.1 Definition of Roles	vie 23/04/10	vie 23/04/10		Indra Technical Team; Indra IT Team
19	KRD Approval of Use Case 0.1	vie 07/05/10	vie 07/05/10	18	KRD Test Team; KRD Technical Team
20	5.1 Reporting	lun 03/05/10	lun 03/05/10		Indra Technical Team; Indra IT Team
21	KRD Approval of Use Case 5.1	vie 14/05/10	vie 14/05/10	20	KRD Test Team; KRD Technical Team
22	5.2 Auditing	lun 17/05/10	lun 17/05/10		Indra Technical Team; Indra IT Team
23	KRD Approval of Use Case 5.2	vie 28/05/10	vie 28/05/10	22	KRD Test Team; KRD Technical Team
24	3.4 Registration of p-votes in ER/0.4 Exemption Process for Listing in the	lun 24/05/10	lun 24/05/10		Indra Technical Team; Indra IT Team
25	KRD Approval of Use Cases 3.1/0.4	vie 04/06/10	vie 04/06/10	24	KRD Test Team; KRD Technical Team
26	<b>e-Counting</b>	<b>lun 07/06/10</b>	<b>vie 30/07/10</b>		
27	3.5 Approval of P-votes and Ballots	lun 07/06/10	lun 07/06/10		Indra Technical Team; Indra IT Team
28	KRD Approval of Use Cases 3.1/0.4	vie 18/06/10	vie 18/06/10	27	
29	3.3 Electronic Counting of P-votes	lun 21/06/10	lun 21/06/10		Indra Technical Team; Indra IT Team
30	KRD Approval of Use Cases 3.1/0.4	vie 02/07/10	vie 02/07/10	29	
31	3.2 Manual Registration of P-votes Results	lun 28/06/10	lun 28/06/10		Indra Technical Team; Indra IT Team
32	KRD Approval of Use Cases 3.1/0.4	vie 09/07/10	vie 09/07/10	31	
33	4.1 Reporting of Results to SSB	lun 05/07/10	lun 05/07/10		Indra Technical Team; Indra IT Team
34	KRD Approval of Use Cases 3.1/0.4	vie 16/07/10	vie 16/07/10	33	
35	4.2 Settlement	vie 16/07/10	vie 16/07/10		Indra Technical Team; Indra IT Team
36	KRD Approval of Use Cases 3.1/0.4	vie 30/07/10	vie 30/07/10	35	
37	<b>Documentation</b>	<b>mar 03/08/10</b>	<b>vie 15/10/10</b>		
38	Documentation (Technical Manuals)	mar 03/08/10	mar 31/08/10		Indra Documentation Team; Indra IT Team; Indra Techn
39	KRD Approval of Technical Manuals	vie 17/09/10	vie 17/09/10	38	
40	Documentation (User Manuals)	lun 09/08/10	jue 02/09/10		Indra Documentation Team; Indra Technical Team
41	KRD Approval of User Manuals	vie 17/09/10	vie 17/09/10	40	KRD Project Manager
42	Preparation of Training Sessions/Material	lun 20/09/10	vie 08/10/10		Indra Documentation Team; Indra Training Team
43	KRD Approval of Training Material	vie 15/10/10	vie 15/10/10	42	
44	User Training (KRD)	lun 18/10/10	vie 29/10/10		Indra Training Team; KRD Technical Team; KRD Final U
45	<b>Final Acceptance Test Plan</b>	<b>mié 15/09/10</b>	<b>vie 29/10/10</b>		
46	Acceptance Test Plan (Full functionality)	mié 15/09/10	mié 15/09/10		KRD Test Team
47	Comments from Indra	jue 16/09/10	jue 23/09/10	46	Indra Project Manager; Indra Test Team
48	Final agreement on ATP	jue 30/09/10	jue 30/09/10		Indra Project Manager; KRD Project Manager
49	ATP Preparation Tasks	vie 01/10/10	vie 29/10/10	48	Indra Documentation Team; Indra IT Team
50	Delivery of Documentation	vie 29/10/10	vie 29/10/10		Indra Documentation Team
51	<b>Final Acceptance Tests</b>	<b>lun 01/11/10</b>	<b>mié 22/12/10</b>	<b>50</b>	
52	Acceptance Tests (Full functionality)	lun 01/11/10	vie 05/11/10		KRD Test Team; Indra Technical Support Team
53	Correction of errors	mié 03/11/10	vie 19/11/10		Indra Technical Team
54	Regression Tests	lun 22/11/10	vie 03/12/10	53	Indra Test Team
55	Final Acceptance Tests (Full functionality)	lun 06/12/10	vie 10/12/10	54	KRD Test Team; Indra Technical Support Team
56	Final Acceptance Tests (Contract Milestone)	mié 22/12/10	mié 22/12/10	55	
57	<b>2011 Pilots Delivery</b>	<b>lun 03/01/11</b>	<b>vie 01/04/11</b>		
58	Preparation of final IT infrastructure	lun 03/01/11	vie 28/01/11		KRD Technical Team
59	Deployment of Solution to Operating Environment	mar 01/02/11	lun 28/02/11		KRD Technical Team; Indra IT Team; Indra Technical T
60	e-Vote Final System available for Municipalities	mar 01/03/11	mar 01/03/11	59	
61	User Training (Municipalities)	lun 07/02/11	vie 18/02/11		Indra Training Team; Final users Municipalities; Indra T
62	Submission of Lists Proposals (Political Parties)	jue 31/03/11	jue 31/03/11		
63	KRD Acceptance of Final Delivery (Contract Milestone)	vie 01/04/11	vie 01/04/11		
64	System Support Election Administration	mar 01/03/11	mié 14/09/11		
65	System Support e-Voting	vie 01/07/11	mar 13/09/11		



For legibility reasons the Gantt Diagramme has been submitted as a separate file.

### 3. Quality Control

The Company holds the following Quality Certificates:

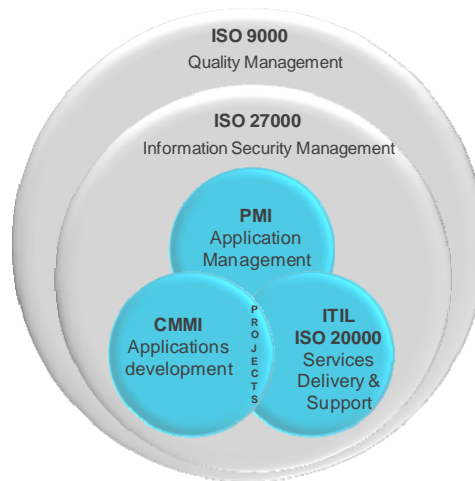
 <b>UNE-EN ISO 9001:2000</b>	 Project management methodology <b>CMMi 3</b>
 <b>UNE-ISO/IEC 27001</b>	 <b>ISO 20000</b> <b>ITIL Best practices</b>
	Certifications in the Defence industry <b>PECAL 2110/PECAL 160</b>
	Certifications in the Aerospace industry <b>UNE-EN 9100</b>

And the following environmental certificates:

 <b>UNE-EN ISO 14001</b>	 European Regulation <b>761/2001(EMAS)</b>
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In addition, Indra has 160 qualified PMPs (Project Management Professionals) by the PMI (Project Management Institute).

When it comes to the development of a particular project, the all those standards and qualifications play the following rolls in the project development lifecycle:



### 3.1. General requirements

#### Elaboration of Requirement ST4.1

Indra is ISO 9001 certified. Certificate is attached below:



# Certificado del Sistema de Gestión de la Calidad

**ER-0682/1996**

AENOR, Asociación Española de Normalización y Certificación, certifica que la organización

## INDRA SISTEMAS, S.A.

dispone de un sistema de gestión de la calidad conforme con la Norma UNE-EN ISO 9001:2000

para las actividades: DETALLADAS EN EL ANEXO AL CERTIFICADO

que se realizan en: AV DE BRUSELAS, 33-35. 28108 - ARROYO DE LA VEGA - ALCOBENDAS (MADRID)

VER DIRECCIONES INDICADAS EN EL ANEXO

Fecha de emisión: 1996-12-19  
Fecha de renovación: 2009-07-07  
Fecha de expiración: 2017-07-07

**AENOR** Asociación Española de  
Normalización y Certificación  
El Director General de AENOR

**AENOR**

Asociación Española de  
Normalización y Certificación

Genova, 6. 28004 Madrid, España  
Tel. 902 102 201 - [www.aenor.es](http://www.aenor.es)

Entidad acreditada por ENAC con nº 010-SC003



AENOR es miembro de la RED IGNET (Red Internacional de Certificación)





Elaboration of Requirement ST4.2

Indra is ISO/IEC 20000-1 and ISO 27001 certified. Certificates are below:



Campus de la UAB  
Apt. Correos 18  
08153 de l'Esplai  
T 34 93 987 20 00  
F 34 93 987 20 01  
cto@appluscorp.com  
www.appluscorp.com  
www.appluscorp.com

**Applus<sup>+</sup>**  
Certification  
Technological  
Center



#### LGAI Technological Center

certifica que el Sistema de Gestión de Seguridad de la Información de la empresa:

## INDRA SISTEMAS S.A.

C/ Acanto, 11  
28000 Madrid

para las actividades de:

'Los Sistemas de Gestión de Servicios de TI para la prestación de servicios de Outsourcing a clientes

El Sistema de Gestión de Servicios de TI cubre los activos de información, necesarios para el desarrollo de negocio esenciales para la prestación del servicio centralizado desde las instalaciones de la Calle Acanto 11 de Madrid.

Todo ello de acuerdo a la Declaración de Aplicabilidad vigente'

**es conforme con los requisitos de la norma  
ISO/IEC 27001:2005**

Este certificado es válido hasta el 24 de Mayo de 2010  
Bellaterra, 12 de Septiembre de 2007

Director General

Ramón Capellades i Font

Responsable del CTS

Xavier Viarribla

El presente certificado se considerará válido siempre que se cumplan todas las condiciones de control oficial  
este certificado forma parte.  
Este certificado proviene del expediente 07/12005771



Campus de la UAO  
Apt. Correns 18  
06143 Bellaterra  
T 34 93 867 20 30  
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www.appluscenter.com

**Applus<sup>+</sup>**

Certificat en  
Technological  
Center



#### LGAI Technological Center

certifica que el Sistema de Gestión de Servicios de Tecnologías de la Información de la empresa:

### INDRA SISTEMAS, S.A.

C/Acanto, 11  
28045 Madrid

para las actividades de:

**'Los Sistemas de Gestión de Servicios de TI para la prestación de servicios de Outsourcing a clientes.**

**El Sistema de Gestión de Servicios de TI cubre los activos de Información, necesarios para el desarrollo de los procesos de negocio esenciales para la prestación del servicio centralizado desde las instalaciones de la Calle Acanto 11 de Madrid'.**

**es conforme con los requisitos de la norma  
ISO/IEC 20000-1:2005**

Este certificado es válido hasta el 13 de Julio de 2010  
Bellaterra, 13 de Julio de 2007

Director General

Ramón Capellades i Font

Responsable del CTS

Xavier Vilamitja

El presente certificado se considerará válido siempre que se cumplan todas las condiciones del contrato del cual este certificado forma parte.  
Este certificado proviene del expediente 07/3201.0529



Elaboration of Requirement ST4.3

Indra is ISO/IEC 20000- certified. Certificate is attached below:



Campus de la UAO  
Apt. Carrans 18  
08143 Bellaterra  
T 34 93 567 20 00  
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info@appluscenter.com  
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www.appluscenter.com

**Applus<sup>+</sup>**

Certificat en  
Technological  
Center



### LGAI Technological Center

certifica que el Sistema de Gestión de Servicios de Tecnologías de la Información de la empresa:

## INDRA SISTEMAS, S.A.

C/Acanto, 11  
28045 Madrid

para las actividades de:

**'Los Sistemas de Gestión de Servicios de TI para la prestación de servicios de Outsourcing a clientes.**

**El Sistema de Gestión de Servicios de TI cubre los activos de Información, necesarios para el desarrollo de los procesos de negocio esenciales para la prestación del servicio centralizado desde las instalaciones de la Calle Acanto 11 de Madrid'.**

**es conforme con los requisitos de la norma  
ISO/IEC 20000-1:2005**

Este certificado es válido hasta el 13 de Julio de 2010  
Bellaterra, 13 de Julio de 2007

Director General

Ramón Capelades i Font

Responsable del CTS

Xavier Vilamitja

El presente certificado se considerará válido siempre que se cumplan todas las condiciones del contrato del cual este certificado forma parte.  
Este certificado procede del expediente 07/3200529