

Report

santi
7/12/2022

Table of Contents

1 Specifications.....	3
2 Model information.....	3
2.1 Card of model SA_EMPRESA_LOGICO_GR05.....	3
3 LDM Diagrams.....	4
3.1 Model level diagrams.....	4
3.1.1 Diagram ECUSOFT.....	4
3.1.2 Diagram SEGURIDAD.....	4
4 Entities.....	6
4.1 Model level.....	6
4.1.1 Entity Auditoria.....	6
4.1.2 Entity Cliente.....	9
4.1.3 Entity Departamento.....	14
4.1.4 Entity Empleado.....	18
4.1.5 Entity Empleado2.....	27
4.1.6 Entity Encargado.....	35
4.1.7 Entity Estado.....	43
4.1.8 Entity Familiar.....	45
4.1.9 Entity Participar.....	51
4.1.10 Entity Productos.....	55
4.1.11 Entity Proyecto.....	59
4.1.12 Entity Servicios.....	64
4.1.13 Entity Usuario.....	67
5 Relationships.....	73
5.1 Model level.....	73
5.1.1 Relationship Adquirir.....	73
5.1.2 Relationship Adquirir2.....	73
5.1.3 Relationship Asignar.....	74
5.1.4 Relationship Controlar.....	74
5.1.5 Relationship Dirigir.....	75
5.1.6 Relationship Dirigir2.....	76
5.1.7 Relationship Generar.....	76
5.1.8 Relationship Obtener.....	77
5.1.9 Relationship Obtener2.....	77
5.1.10 Relationship Participador.....	78
5.1.11 Relationship Participador2.....	78
5.1.12 Relationship Participan.....	79
5.1.13 Relationship Solicitar.....	80
5.1.14 Relationship Supervisor.....	80
5.1.15 Relationship Tener.....	81
5.1.16 Relationship Tener.....	81

1 Specifications

Include specifications here....

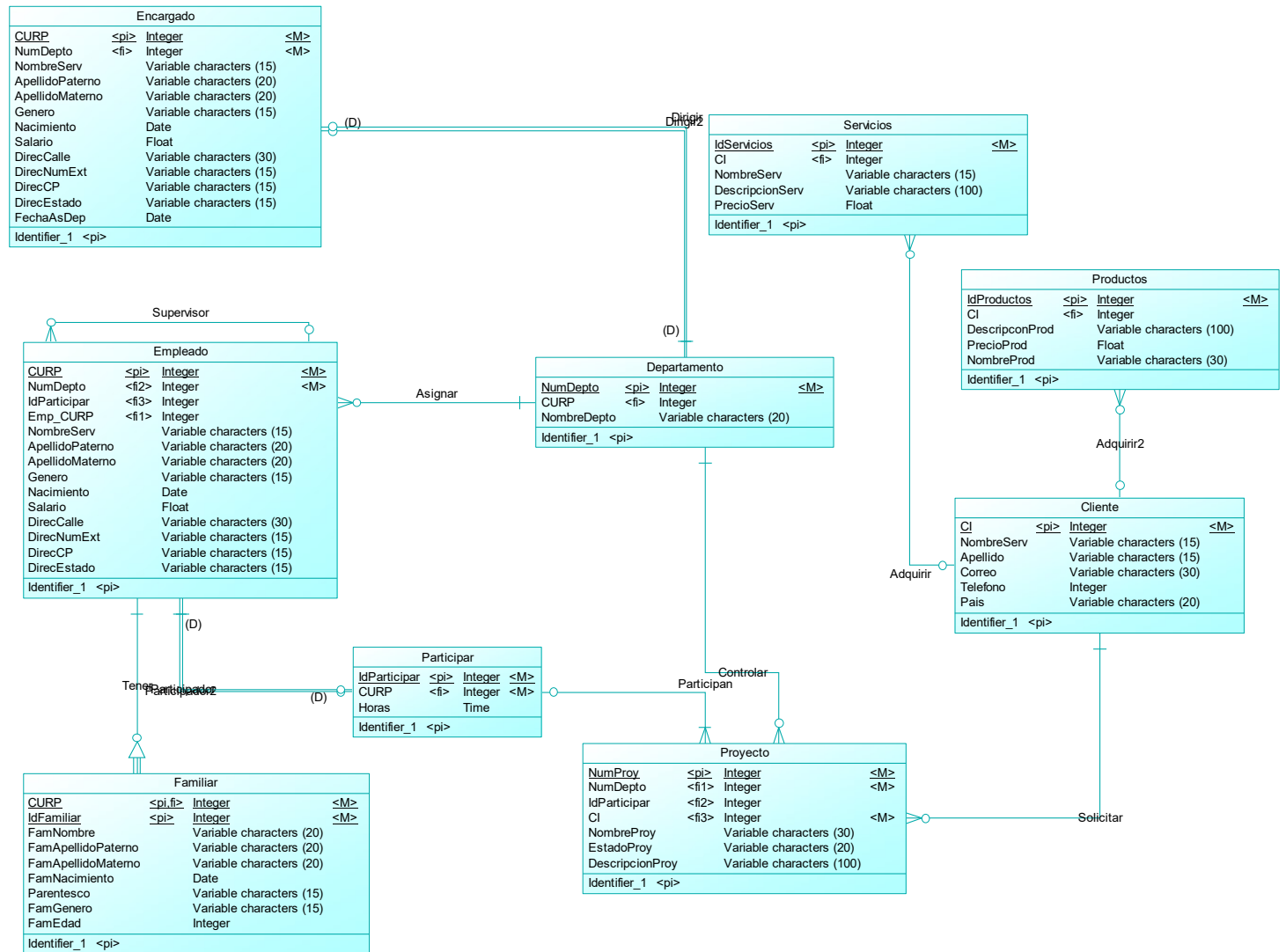
2 Model information**2.1 Card of model SA_EMPRESA_LOGICO_GR05**

<i>Name</i>	SA_EMPRESA_LOGICO_GR05
<i>Code</i>	SA_EMPRESA_LOGICO_GR05
<i>Comment</i>	
<i>Author</i>	
<i>Version</i>	

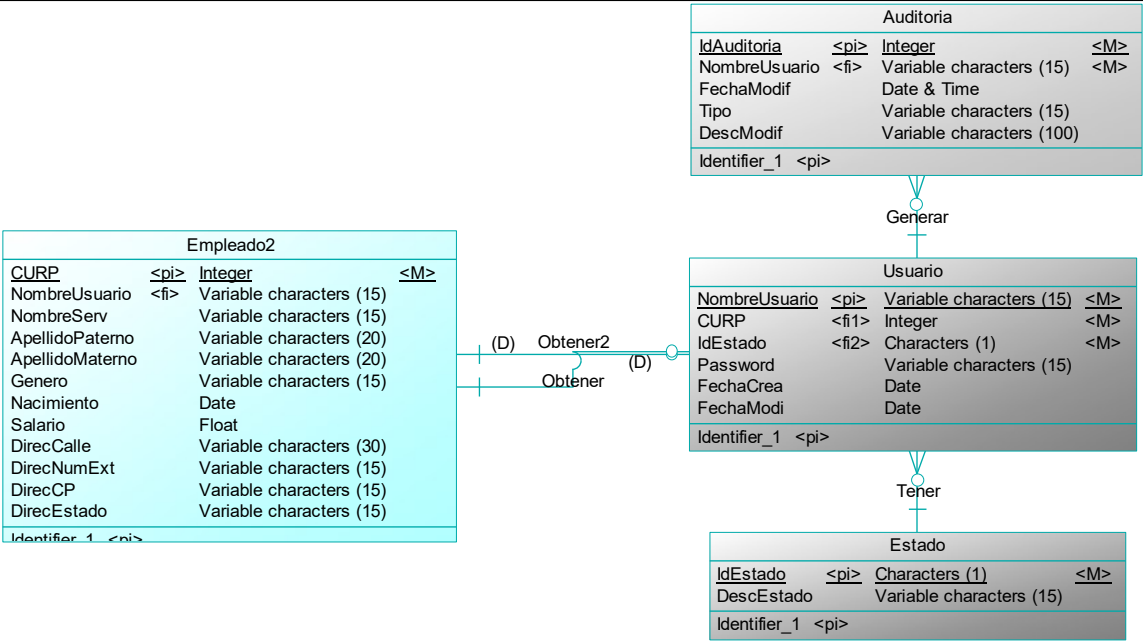
3 LDM Diagrams

3.1 Model level diagrams

3.1.1 Diagram ECUSOFT



3.1.2 Diagram SEGURIDAD



4 Entities**4.1 Model level****4.1.1 Entity Auditoria****4.1.1.1 Card of entity Auditoria**

<i>Name</i>	Auditoria
<i>Code</i>	AUDITORIA
<i>Parent</i>	Logical Data Model 'SA_EMPRESA_LOGICO_GR05'
<i>Comment</i>	
<i>Generate</i>	Yes
<i>Number</i>	

4.1.1.2 List of all dependencies of the entity Auditoria

<i>Name</i>	<i>Code</i>	<i>Class Name</i>
Generar	RELATIONSHIP_13	Relationship

4.1.1.3 List of relationships of the entity Auditoria

<i>Name</i>	<i>Code</i>	<i>Generate</i>	<i>Entity 2</i>	<i>Entity 1</i>	<i>Dependent Role</i>	<i>Entity 1 -> Entity 2 Role Cardinality</i>	<i>Entity 2 -> Entity 1 Role Cardinality</i>
Generar	RELATIONSHIP_13	X	Auditoria	Usuario		0,n	1,1

4.1.1.4 List of diagrams containing the entity Auditoria

<i>Name</i>	<i>Code</i>
SEGURIDAD	SEGURIDAD

4.1.1.5 List of attributes of the entity Auditoria

<i>Name</i>	<i>Code</i>	<i>Data Type</i>	<i>Mandatory</i>	<i>Inherited From</i>
IdAuditoria	IDAUDITORIA	Integer	X	
NombreUsuario	NOMBREUSUARIO	Variable characters (15)	X	
FechaModif	FECHAMODIF	Date & Time		
Tipo	TIPO	Variable characters (15)		
DescModif	DESCMODIF	Variable characters (100)		

4.1.1.6 Entity attribute IdAuditoria of the entity Auditoria**4.1.1.6.1 Card of the entity attribute IdAuditoria of the entity Auditoria**

<i>Name</i>	IdAuditoria
<i>Code</i>	IDAUDITORIA
<i>Comment</i>	
<i>Data Type</i>	Integer
<i>Mandatory</i>	Yes
<i>Inherited From</i>	<None>

4.1.1.6.2 Check of the entity attribute IdAuditoria of the entity Auditoria

Minimum Value	No
Maximum Value	
Default Value	
Unit	
Format	
Cannot Modify	
List Of Values	

4.1.1.6.3 Server validation rule of the entity attribute IdAuditoria of the entity Auditoria

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

4.1.1.6.4 List of all dependencies of the entity attribute IdAuditoria

Name	Code	Class Name
Identifier_1	IDENTIFIER_1	Identifier

4.1.1.6.5 List of identifiers of the entity attribute IdAuditoria

Name	Code	Parent	Primary Identifier
Identifier_1	IDENTIFIER_1	Entity 'Auditoria'	X

4.1.1.7 Entity attribute NombreUsuario of the entity Auditoria**4.1.1.7.1 Card of the entity attribute NombreUsuario of the entity Auditoria**

Name	NombreUsuario
Code	NOMBREUSUARIO
Comment	
Data Type	Variable characters (15)
Mandatory	Yes
Inherited From	<None>

4.1.1.7.2 Check of the entity attribute NombreUsuario of the entity Auditoria

Minimum Value	No
Maximum Value	
Default Value	
Unit	
Format	
Cannot Modify	
List Of Values	

4.1.1.7.3 Server validation rule of the entity attribute NombreUsuario of the entity Auditoria

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

4.1.1.7.4 List of all dependencies of the entity attribute NombreUsuario

Name	Code	Class Name
?	?	Relationship Join

<i>Parent Attribute</i>	<i>Child Attribute</i>
NombreUsuario	NombreUsuario

4.1.1.8 Entity attribute FechaModif of the entity Auditoria

4.1.1.8.1 Card of the entity attribute FechaModif of the entity Auditoria

<i>Name</i>	FechaModif
<i>Code</i>	FECHAMODIF
<i>Comment</i>	
<i>Data Type</i>	Date & Time
<i>Mandatory</i>	No
<i>Inherited From</i>	<None>

4.1.1.8.2 Check of the entity attribute FechaModif of the entity Auditoria

<i>Minimum Value</i>	
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	No
<i>List Of Values</i>	

4.1.1.8.3 Server validation rule of the entity attribute FechaModif of the entity Auditoria

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

4.1.1.9 Entity attribute Tipo of the entity Auditoria

4.1.1.9.1 Card of the entity attribute Tipo of the entity Auditoria

<i>Name</i>	Tipo
<i>Code</i>	TIPO
<i>Comment</i>	
<i>Data Type</i>	Variable characters (15)
<i>Mandatory</i>	No
<i>Inherited From</i>	<None>

4.1.1.9.2 Check of the entity attribute Tipo of the entity Auditoria

<i>Minimum Value</i>	
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	No
<i>List Of Values</i>	

4.1.1.9.3 Server validation rule of the entity attribute Tipo of the entity Auditoria

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

4.1.1.10 Entity attribute DescModif of the entity Auditoria

<i>Name</i>	DescModif
<i>Code</i>	DESCMODIF
<i>Comment</i>	
<i>Data Type</i>	Variable characters (100)
<i>Mandatory</i>	No
<i>Inherited From</i>	<None>

4.1.1.10.2 Check of the entity attribute DescModif of the entity Auditoria

<i>Minimum Value</i>	
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	No
<i>List Of Values</i>	

4.1.1.10.3 Server validation rule of the entity attribute DescModif of the entity Auditoria

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

4.1.1.11 List of identifiers of the entity Auditoria

<i>Name</i>	<i>Code</i>	<i>Parent</i>	<i>Primary Identifier</i>
Identifier_1	IDENTIFIER_1	Entity 'Auditoria'	X

4.1.1.12 Identifier Identifier 1 of the entity Auditoria

4.1.1.12.1 Card of the identifier Identifier 1 of the entity Auditoria

<i>Name</i>	Identifier_1
<i>Code</i>	IDENTIFIER_1
<i>Comment</i>	
<i>Primary Identifier</i>	Yes

4.1.1.12.2 List of attributes of the entity identifier Identifier 1

<i>Name</i>	<i>Code</i>	<i>Data Type</i>	<i>Mandatory</i>	<i>Inherited From</i>
IdAuditoria	IDAUDITORIA	Integer	X	

4.1.2 Entity Cliente

4.1.2.1 Card of entity Cliente

<i>Name</i>	Cliente
<i>Code</i>	CLIENTE
<i>Parent</i>	Logical Data Model 'SA_EMPRESA_LOGICO_GR05'
<i>Comment</i>	
<i>Generate Number</i>	Yes

4.1.2.2 List of all dependencies of the entity Cliente

<i>Name</i>	<i>Code</i>	<i>Class Name</i>
-------------	-------------	-------------------

<i>Name</i>	<i>Code</i>	<i>Class Name</i>
Adquirir	RELATIONSHIP_15	Relationship
Adquirir2	RELATIONSHIP_14	Relationship
Solicitar	SOLICITAR	Relationship

4.1.2.3 List of relationships of the entity Cliente

<i>Name</i>	<i>Code</i>	<i>General</i>	<i>Entity 2</i>	<i>Entity 1</i>	<i>Dependent Role</i>	<i>Entity 1 -> Entity 2 Role Cardinality</i>	<i>Entity 2 -> Entity 1 Role Cardinality</i>
Adquirir	RELATIONSHIP_15	X	Servicios	Cliente		0,n	0,1
Adquirir2	RELATIONSHIP_14	X	Productos	Cliente		0,n	0,1
Solicitar	SOLICITAR	X	Proyecto	Cliente		0,n	1,1

4.1.2.4 List of diagrams containing the entity Cliente

<i>Name</i>	<i>Code</i>
ECUSOFT	ECUSOFT

4.1.2.5 List of attributes of the entity Cliente

<i>Name</i>	<i>Code</i>	<i>Data Type</i>	<i>Mandatory</i>	<i>Inherited From</i>
CI	CI	Integer	X	
NombreServ	NOMBRESERV	Variable characters (15)		
Apellido	APELLIDO	Variable characters (15)		
Correo	CORREO	Variable characters (30)		
Telefono	TELEFONO	Integer		
Pais	PAIS	Variable characters (20)		

4.1.2.6 Entity attribute CI of the entity Cliente

4.1.2.6.1 Card of the entity attribute CI of the entity Cliente

<i>Name</i>	CI
<i>Code</i>	CI
<i>Comment</i>	
<i>Data Type</i>	Integer
<i>Mandatory</i>	Yes
<i>Inherited From</i>	<None>

4.1.2.6.2 Check of the entity attribute CI of the entity Cliente

<i>Minimum Value</i>	
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	No

List Of Values	
----------------	--

4.1.2.6.3 Server validation rule of the entity attribute CI of the entity Cliente

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

4.1.2.6.4 List of all dependencies of the entity attribute CI

Name	Code	Class Name
?	?	Relationship Join
?	?	Relationship Join
?	?	Relationship Join
Identifier_1	IDENTIFIER_1	Identifier

4.1.2.6.5 List of primary relationship joins of the entity attribute CI

Parent Attribute	Child Attribute
CI	CI
CI	CI
CI	CI

4.1.2.6.6 List of identifiers of the entity attribute CI

Name	Code	Parent	Primary Identifier
Identifier_1	IDENTIFIER_1	Entity 'Cliente'	X

4.1.2.7 Entity attribute NombreServ of the entity Cliente

4.1.2.7.1 Card of the entity attribute NombreServ of the entity Cliente

Name	NombreServ
Code	NOMBRESERV
Comment	
Data Type	Variable characters (15)
Mandatory	No
Inherited From	<None>

4.1.2.7.2 Check of the entity attribute NombreServ of the entity Cliente

Minimum Value	
Maximum Value	
Default Value	
Unit	
Format	
Cannot Modify	No
List Of Values	

4.1.2.7.3 Server validation rule of the entity attribute NombreServ of the entity Cliente

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

4.1.2.8 Entity attribute Apellido of the entity Cliente

4.1.2.8.1 Card of the entity attribute Apellido of the entity Cliente

Name	Apellido
------	----------

<i>Code</i>	APELLIDO
<i>Comment</i>	
<i>Data Type</i>	Variable characters (15)
<i>Mandatory</i>	No
<i>Inherited From</i>	<None>

4.1.2.8.2 Check of the entity attribute Apellido of the entity Cliente

<i>Minimum Value</i>	
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	No
<i>List Of Values</i>	

4.1.2.8.3 Server validation rule of the entity attribute Apellido of the entity Cliente

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

4.1.2.9 Entity attribute Correo of the entity Cliente

4.1.2.9.1 Card of the entity attribute Correo of the entity Cliente

<i>Name</i>	Correo
<i>Code</i>	CORREO
<i>Comment</i>	
<i>Data Type</i>	Variable characters (30)
<i>Mandatory</i>	No
<i>Inherited From</i>	<None>

4.1.2.9.2 Check of the entity attribute Correo of the entity Cliente

<i>Minimum Value</i>	
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	No
<i>List Of Values</i>	

4.1.2.9.3 Server validation rule of the entity attribute Correo of the entity Cliente

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

4.1.2.10 Entity attribute Telefono of the entity Cliente

4.1.2.10.1 Card of the entity attribute Telefono of the entity Cliente

<i>Name</i>	Telefono
<i>Code</i>	TELEFONO
<i>Comment</i>	
<i>Data Type</i>	Integer
<i>Mandatory</i>	No
<i>Inherited From</i>	<None>

4.1.2.10.2 Check of the entity attribute Telefono of the entity Cliente

<i>Minimum Value</i>	No
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	
<i>List Of Values</i>	

4.1.2.10.3 Server validation rule of the entity attribute Telefono of the entity Cliente

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

4.1.2.11 Entity attribute Pais of the entity Cliente**4.1.2.11.1 Card of the entity attribute Pais of the entity Cliente**

<i>Name</i>	Pais
<i>Code</i>	PAIS
<i>Comment</i>	
<i>Data Type</i>	Variable characters (20)
<i>Mandatory</i>	No
<i>Inherited From</i>	<None>

4.1.2.11.2 Check of the entity attribute Pais of the entity Cliente

<i>Minimum Value</i>	No
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	
<i>List Of Values</i>	

4.1.2.11.3 Server validation rule of the entity attribute Pais of the entity Cliente

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

4.1.2.12 List of identifiers of the entity Cliente

<i>Name</i>	<i>Code</i>	<i>Parent</i>	<i>Primary Identifier</i>
Identifier_1	IDENTIFIER_1	Entity 'Cliente'	X

4.1.2.13 Identifier Identifier 1 of the entity Cliente**4.1.2.13.1 Card of the identifier Identifier 1 of the entity Cliente**

<i>Name</i>	Identifier_1
<i>Code</i>	IDENTIFIER_1
<i>Comment</i>	
<i>Primary Identifier</i>	Yes

Name	Code	Data Type	Mandatory	Inherited From
CI	CI	Integer	X	

4.1.2.13.3 List of all dependencies of the entity identifier Identifier 1

Name	Code	Class Name
Adquirir	RELATIONSHIP_15	Relationship
Adquirir2	RELATIONSHIP_14	Relationship
Solicitar	SOLICITAR	Relationship

4.1.2.13.4 List of relationships of the entity identifier Identifier 1

Name	Code	Parent	Generate	Entity 2	Entity 1	Dependent Role	Entity 1 -> Entity 2 Role Cardinality	Entity 2 -> Entity 1 Role Cardinality
Adquirir	RELATIONSHIP_15	Logical Data Model 'SA_EMPRESA_LOGICO_GR05'	X	Servicios	Cliente		0,n	0,1
Adquirir2	RELATIONSHIP_14	Logical Data Model 'SA_EMPRESA_LOGICO_GR05'	X	Productos	Cliente		0,n	0,1
Solicitar	SOLICITAR	Logical Data Model 'SA_EMPRESA_LOGICO_GR05'	X	Proyecto	Cliente		0,n	1,1

4.1.3 Entity Departamento

4.1.3.1 Card of entity Departamento

Name	Departamento
Code	DEPARTAMENTO
Parent	Logical Data Model 'SA_EMPRESA_LOGICO_GR05'
Comment	
Generate	Yes
Number	

4.1.3.2 List of all dependencies of the entity Departamento

Name	Code	Class Name
Asignar	ASIGNAR	Relationship

<i>Name</i>	<i>Code</i>	<i>Class Name</i>
Controlar	CONTROLAR	Relationship
Dirigir	RELATIONSHIP_16	Relationship
Dirigir2	RELATIONSHIP_18	Relationship

4.1.3.3 List of relationships of the entity Departamento

<i>Name</i>	<i>Code</i>	<i>General</i>	<i>Entity 2</i>	<i>Entity 1</i>	<i>Dependent Role</i>	<i>Entity 1 -> Entity 2 Role Cardinality</i>	<i>Entity 2 -> Entity 1 Role Cardinality</i>
Asignar	ASIGNAR	X	Departamento	Empleado		1,1	0,n
Controlar	CONTROLAR	X	Proyecto	Departamento		0,n	1,1
Dirigir	RELATIONSHIP_16	X	Departamento	Encargado		1,1	0,1
Dirigir2	RELATIONSHIP_18	X	Departamento	Encargado		1,1	0,1

4.1.3.4 List of diagrams containing the entity Departamento

<i>Name</i>	<i>Code</i>
ECUSOFT	ECUSOFT

4.1.3.5 List of attributes of the entity Departamento

<i>Name</i>	<i>Code</i>	<i>Data Type</i>	<i>Mandatory</i>	<i>Inherited From</i>
NumDepto	NUMDEPTO	Integer	X	
CURP	CURP3	Integer		
NombreDepto	NOMBREDEPTO	Variable characters (20)		

4.1.3.6 Entity attribute NumDepto of the entity Departamento

4.1.3.6.1 Card of the entity attribute NumDepto of the entity Departamento

<i>Name</i>	NumDepto
<i>Code</i>	NUMDEPTO
<i>Comment</i>	
<i>Data Type</i>	Integer
<i>Mandatory</i>	Yes
<i>Inherited From</i>	<None>

4.1.3.6.2 Check of the entity attribute NumDepto of the entity Departamento

<i>Minimum Value</i>	
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	No
<i>List Of Values</i>	

4.1.3.6.3 Server validation rule of the entity attribute NumDepto of the entity Departamento

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

4.1.3.6.4 List of all dependencies of the entity attribute NumDepto

<i>Name</i>	<i>Code</i>	<i>Class Name</i>
Identifier_1	IDENTIFIER_1	Identifier
?	?	Relationship Join
?	?	Relationship Join
?	?	Relationship Join

4.1.3.6.5 List of primary relationship joins of the entity attribute NumDepto

<i>Parent Attribute</i>	<i>Child Attribute</i>
NumDepto	NumDepto
NumDepto	NumDepto
NumDepto	NumDepto

4.1.3.6.6 List of identifiers of the entity attribute NumDepto

<i>Name</i>	<i>Code</i>	<i>Parent</i>	<i>Primary Identifier</i>
Identifier_1	IDENTIFIER_1	Entity 'Departamento'	X

4.1.3.7 Entity attribute CURP of the entity Departamento**4.1.3.7.1 Card of the entity attribute CURP of the entity Departamento**

<i>Name</i>	CURP
<i>Code</i>	CURP3
<i>Comment</i>	
<i>Data Type</i>	Integer
<i>Mandatory</i>	No
<i>Inherited From</i>	<None>

4.1.3.7.2 Check of the entity attribute CURP of the entity Departamento

<i>Minimum Value</i>	
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	No
<i>List Of Values</i>	

4.1.3.7.3 Server validation rule of the entity attribute CURP of the entity Departamento

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

4.1.3.7.4 List of all dependencies of the entity attribute CURP

<i>Name</i>	<i>Code</i>	<i>Class Name</i>
?	?	Relationship Join

4.1.3.7.5 List of foreign relationship joins of the entity attribute CURP

<i>Parent Attribute</i>	<i>Child Attribute</i>
-------------------------	------------------------

<i>Parent Attribute</i>	<i>Child Attribute</i>
CURP	CURP

4.1.3.8 Entity attribute NombreDepto of the entity Departamento

4.1.3.8.1 Card of the entity attribute NombreDepto of the entity Departamento

<i>Name</i>	NombreDepto
<i>Code</i>	NOMBREDEPTO
<i>Comment</i>	
<i>Data Type</i>	Variable characters (20)
<i>Mandatory</i>	No
<i>Inherited From</i>	<None>

4.1.3.8.2 Check of the entity attribute NombreDepto of the entity Departamento

<i>Minimum Value</i>	
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	No
<i>List Of Values</i>	

4.1.3.8.3 Server validation rule of the entity attribute NombreDepto of the entity Departamento

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

4.1.3.9 List of identifiers of the entity Departamento

<i>Name</i>	<i>Code</i>	<i>Parent</i>	<i>Primary Identifier</i>
Identifier_1	IDENTIFIER_1	Entity 'Departamento'	X

4.1.3.10 Identifier Identifier 1 of the entity Departamento

4.1.3.10.1 Card of the identifier Identifier 1 of the entity Departamento

<i>Name</i>	Identifier_1
<i>Code</i>	IDENTIFIER_1
<i>Comment</i>	
<i>Primary Identifier</i>	Yes

4.1.3.10.2 List of attributes of the entity identifier Identifier 1

<i>Name</i>	<i>Code</i>	<i>Data Type</i>	<i>Mandatory</i>	<i>Inherited From</i>
NumDepto	NUMDEPTO	Integer	X	

4.1.3.10.3 List of all dependencies of the entity identifier Identifier 1

<i>Name</i>	<i>Code</i>	<i>Class Name</i>
Asignar	ASIGNAR	Relationship
Controlar	CONTROLAR	Relationship
Dirigir	RELATIONSHIP_16	Relationship

4.1.3.10.4 List of relationships of the entity identifier Identifier 1

Name	Code	Parent	Generate	Entity 2	Entity 1	Dependent Role	Entity 1 -> Entity 2 Role Cardinality	Entity 2 -> Entity 1 Role Cardinality
Asignar	ASIGNAR	Logical Data Model 'SA_EMPRESA_LOGICO_GR05'	X	Departamento	Empleado		1,1	0,n
Controlar	CONTROLAR	Logical Data Model 'SA_EMPRESA_LOGICO_GR05'	X	Proyecto	Departamento		0,n	1,1
Dirigir	RELATIONSHIP_16	Logical Data Model 'SA_EMPRESA_LOGICO_GR05'	X	Departamento	Encargado		1,1	0,1

4.1.4 Entity Empleado**4.1.4.1 Card of entity Empleado**

Name	Empleado
Code	EMPLEADO
Parent	Logical Data Model 'SA_EMPRESA_LOGICO_GR05'
Comment	
Generate	Yes
Number	

4.1.4.2 List of all dependencies of the entity Empleado

Name	Code	Class Name
Asignar	ASIGNAR	Relationship
Participador	RELATIONSHIP_8	Relationship
Participador2	RELATIONSHIP_17	Relationship
Supervisor	RELATIONSHIP_9	Relationship
Tener	TENER	Relationship

4.1.4.3 List of relationships of the entity Empleado

<i>Name</i>	<i>Code</i>	<i>Generate</i>	<i>Entity 2</i>	<i>Entity 1</i>	<i>Dependent Role</i>	<i>Entity 1 -> Entity 2 Role Cardinality</i>	<i>Entity 2 -> Entity 1 Role Cardinality</i>
Asignar	ASIGNAR	X	Departamento	Empleado		1,1	0,n
Participador	RELATIONSHIP_8	X	Participar	Empleado		0,1	1,1
Participador2	RELATIONSHIP_17	X	Participar	Empleado		0,1	1,1
Supervisor	RELATIONSHIP_9	X	Empleado	Empleado		0,n	0,1
Tener	TENER	X	Familiar	Empleado	Familiar -> Empleado	0,n	1,1

4.1.4.4 List of diagrams containing the entity Empleado

<i>Name</i>	<i>Code</i>
ECUSOFT	ECUSOFT

4.1.4.5 List of attributes of the entity Empleado

<i>Name</i>	<i>Code</i>	<i>Data Type</i>	<i>Mandatory</i>	<i>Inherited From</i>
CURP	CURP	Integer	X	
NumDepto	NUMDEPTO	Integer	X	
IdParticipar	IDPARTICIPAR	Integer		
Emp_CURP	EMP_CURP	Integer		
NombreServ	NOMBRESERV	Variable characters (15)		
ApellidoPaterno	APELLIDOPATERNO	Variable characters (20)		
ApellidoMaterno	APELLIDOMATERN O	Variable characters (20)		
Genero	GENERO	Variable characters (15)		
Nacimiento	NACIMIENTO	Date		
Salario	SALARIO	Float		
DirecCalle	DIRECCALLE	Variable characters (30)		
DirecNumExt	DIRECNUMEXT	Variable characters (15)		
DirecCP	DIRECCP	Variable characters (15)		
DirecEstado	DIRECESTADO	Variable characters (15)		

4.1.4.6 Entity attribute CURP of the entity Empleado

4.1.4.6.1 Card of the entity attribute CURP of the entity Empleado

<i>Name</i>	CURP
<i>Code</i>	CURP
<i>Comment</i>	
<i>Data Type</i>	Integer
<i>Mandatory</i>	Yes
<i>Inherited From</i>	<None>

4.1.4.6.2 Check of the entity attribute CURP of the entity Empleado

<i>Minimum Value</i>	No
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	
<i>List Of Values</i>	

4.1.4.6.3 Server validation rule of the entity attribute CURP of the entity Empleado

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

4.1.4.6.4 List of all dependencies of the entity attribute CURP

<i>Name</i>	<i>Code</i>	<i>Class Name</i>
?	?	Relationship Join
?	?	Relationship Join
?	?	Relationship Join
Identifier_1	IDENTIFIER_1	Identifier

4.1.4.6.5 List of primary relationship joins of the entity attribute CURP

<i>Parent Attribute</i>	<i>Child Attribute</i>
CURP	CURP
CURP	CURP
CURP	Emp_CURP

4.1.4.6.6 List of identifiers of the entity attribute CURP

<i>Name</i>	<i>Code</i>	<i>Parent</i>	<i>Primary Identifier</i>
Identifier_1	IDENTIFIER_1	Entity 'Empleado'	X

4.1.4.7 Entity attribute NumDepto of the entity Empleado**4.1.4.7.1 Card of the entity attribute NumDepto of the entity Empleado**

<i>Name</i>	NumDepto
<i>Code</i>	NUMDEPTO
<i>Comment</i>	
<i>Data Type</i>	Integer
<i>Mandatory</i>	Yes
<i>Inherited From</i>	<None>

4.1.4.7.2 Check of the entity attribute NumDepto of the entity Empleado

<i>Minimum Value</i>	No
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	
<i>List Of Values</i>	

List Of Values	
----------------	--

4.1.4.7.3 Server validation rule of the entity attribute NumDepto of the entity Empleado

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

4.1.4.7.4 List of all dependencies of the entity attribute NumDepto

Name	Code	Class Name
?	?	Relationship Join

4.1.4.7.5 List of foreign relationship joins of the entity attribute NumDepto

Parent Attribute	Child Attribute
NumDepto	NumDepto

4.1.4.8 Entity attribute IdParticipar of the entity Empleado**4.1.4.8.1 Card of the entity attribute IdParticipar of the entity Empleado**

Name	IdParticipar
Code	IDPARTICIPAR
Comment	
Data Type	Integer
Mandatory	No
Inherited From	<None>

4.1.4.8.2 Check of the entity attribute IdParticipar of the entity Empleado

Minimum Value	
Maximum Value	
Default Value	
Unit	
Format	
Cannot Modify	No
List Of Values	

4.1.4.8.3 Server validation rule of the entity attribute IdParticipar of the entity Empleado

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

4.1.4.8.4 List of all dependencies of the entity attribute IdParticipar

Name	Code	Class Name
?	?	Relationship Join

4.1.4.8.5 List of foreign relationship joins of the entity attribute IdParticipar

Parent Attribute	Child Attribute
IdParticipar	IdParticipar

4.1.4.9 Entity attribute Emp_CURP of the entity Empleado**4.1.4.9.1 Card of the entity attribute Emp_CURP of the entity Empleado**

Name	Emp_CURP
Code	EMP_CURP
Comment	
Data Type	Integer
Mandatory	No

<i>Inherited From</i>	<None>
-----------------------	--------

4.1.4.9.2 Check of the entity attribute Emp_CURP of the entity Empleado

<i>Minimum Value</i>	No
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	
<i>List Of Values</i>	

4.1.4.9.3 Server validation rule of the entity attribute Emp_CURP of the entity Empleado

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

4.1.4.9.4 List of all dependencies of the entity attribute Emp_CURP

<i>Name</i>	<i>Code</i>	<i>Class Name</i>
?	?	Relationship Join

4.1.4.9.5 List of foreign relationship joins of the entity attribute Emp_CURP

<i>Parent Attribute</i>	<i>Child Attribute</i>
CURP	Emp_CURP

4.1.4.10 Entity attribute NombreServ of the entity Empleado**4.1.4.10.1 Card of the entity attribute NombreServ of the entity Empleado**

<i>Name</i>	NombreServ
<i>Code</i>	NOMBRESERV
<i>Comment</i>	
<i>Data Type</i>	Variable characters (15)
<i>Mandatory</i>	No
<i>Inherited From</i>	<None>

4.1.4.10.2 Check of the entity attribute NombreServ of the entity Empleado

<i>Minimum Value</i>	No
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	
<i>List Of Values</i>	

4.1.4.10.3 Server validation rule of the entity attribute NombreServ of the entity Empleado

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

4.1.4.11 Entity attribute ApellidoPaterno of the entity Empleado**4.1.4.11.1 Card of the entity attribute ApellidoPaterno of the entity Empleado**

<i>Name</i>	ApellidoPaterno
<i>Code</i>	APELLIDOPATERNO
<i>Comment</i>	

<i>Data Type</i>	Variable characters (20)
<i>Mandatory</i>	No
<i>Inherited From</i>	<None>

4.1.4.11.2 Check of the entity attribute ApellidoPaterno of the entity Empleado

<i>Minimum Value</i>	No
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	
<i>List Of Values</i>	

4.1.4.11.3 Server validation rule of the entity attribute ApellidoPaterno of the entity Empleado

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

4.1.4.12 Entity attribute ApellidoMaterno of the entity Empleado

4.1.4.12.1 Card of the entity attribute ApellidoMaterno of the entity Empleado

<i>Name</i>	ApellidoMaterno
<i>Code</i>	APELLIDOMATERNO
<i>Comment</i>	
<i>Data Type</i>	Variable characters (20)
<i>Mandatory</i>	No
<i>Inherited From</i>	<None>

4.1.4.12.2 Check of the entity attribute ApellidoMaterno of the entity Empleado

<i>Minimum Value</i>	No
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	
<i>List Of Values</i>	

4.1.4.12.3 Server validation rule of the entity attribute ApellidoMaterno of the entity Empleado

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

4.1.4.13 Entity attribute Genero of the entity Empleado

4.1.4.13.1 Card of the entity attribute Genero of the entity Empleado

<i>Name</i>	Genero
<i>Code</i>	GENERO
<i>Comment</i>	
<i>Data Type</i>	Variable characters (15)
<i>Mandatory</i>	No
<i>Inherited From</i>	<None>

4.1.4.13.2 Check of the entity attribute Genero of the entity Empleado

<i>Minimum Value</i>	
----------------------	--

<i>Maximum Value</i>	No
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	
<i>List Of Values</i>	

4.1.4.13.3 Server validation rule of the entity attribute Genero of the entity Empleado

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

4.1.4.14 Entity attribute Nacimiento of the entity Empleado

4.1.4.14.1 Card of the entity attribute Nacimiento of the entity Empleado

<i>Name</i>	Nacimiento
<i>Code</i>	NACIMIENTO
<i>Comment</i>	
<i>Data Type</i>	Date
<i>Mandatory</i>	No
<i>Inherited From</i>	<None>

4.1.4.14.2 Check of the entity attribute Nacimiento of the entity Empleado

<i>Minimum Value</i>	No
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	
<i>List Of Values</i>	

4.1.4.14.3 Server validation rule of the entity attribute Nacimiento of the entity Empleado

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

4.1.4.15 Entity attribute Salario of the entity Empleado

4.1.4.15.1 Card of the entity attribute Salario of the entity Empleado

<i>Name</i>	Salario
<i>Code</i>	SALARIO
<i>Comment</i>	
<i>Data Type</i>	Float
<i>Mandatory</i>	No
<i>Inherited From</i>	<None>

4.1.4.15.2 Check of the entity attribute Salario of the entity Empleado

<i>Minimum Value</i>	No
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	
<i>List Of Values</i>	

4.1.4.15.3 Server validation rule of the entity attribute Salario of the entity Empleado

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

4.1.4.16 Entity attribute DirecCalle of the entity Empleado**4.1.4.16.1 Card of the entity attribute DirecCalle of the entity Empleado**

<i>Name</i>	DirecCalle
<i>Code</i>	DIRECCALLE
<i>Comment</i>	
<i>Data Type</i>	Variable characters (30)
<i>Mandatory</i>	No
<i>Inherited From</i>	<None>

4.1.4.16.2 Check of the entity attribute DirecCalle of the entity Empleado

<i>Minimum Value</i>	No
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	
<i>List Of Values</i>	

4.1.4.16.3 Server validation rule of the entity attribute DirecCalle of the entity Empleado

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

4.1.4.17 Entity attribute DirecNumExt of the entity Empleado**4.1.4.17.1 Card of the entity attribute DirecNumExt of the entity Empleado**

<i>Name</i>	DirecNumExt
<i>Code</i>	DIRECNUMEXT
<i>Comment</i>	
<i>Data Type</i>	Variable characters (15)
<i>Mandatory</i>	No
<i>Inherited From</i>	<None>

4.1.4.17.2 Check of the entity attribute DirecNumExt of the entity Empleado

<i>Minimum Value</i>	No
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	
<i>List Of Values</i>	

4.1.4.17.3 Server validation rule of the entity attribute DirecNumExt of the entity Empleado

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

4.1.4.18 Entity attribute DirecCP of the entity Empleado**4.1.4.18.1 Card of the entity attribute DirecCP of the entity Empleado**

<i>Name</i>	DirecCP
-------------	---------

<i>Code</i>	DIRECCP
<i>Comment</i>	
<i>Data Type</i>	Variable characters (15)
<i>Mandatory</i>	No
<i>Inherited From</i>	<None>

4.1.4.18.2 Check of the entity attribute DirecCP of the entity Empleado

<i>Minimum Value</i>	
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	No
<i>List Of Values</i>	

4.1.4.18.3 Server validation rule of the entity attribute DirecCP of the entity Empleado

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

4.1.4.19 Entity attribute DirecEstado of the entity Empleado

4.1.4.19.1 Card of the entity attribute DirecEstado of the entity Empleado

<i>Name</i>	DirecEstado
<i>Code</i>	DIRECESTADO
<i>Comment</i>	
<i>Data Type</i>	Variable characters (15)
<i>Mandatory</i>	No
<i>Inherited From</i>	<None>

4.1.4.19.2 Check of the entity attribute DirecEstado of the entity Empleado

<i>Minimum Value</i>	
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	No
<i>List Of Values</i>	

4.1.4.19.3 Server validation rule of the entity attribute DirecEstado of the entity Empleado

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

4.1.4.20 List of identifiers of the entity Empleado

<i>Name</i>	<i>Code</i>	<i>Parent</i>	<i>Primary Identifier</i>
Identifier_1	IDENTIFIER_1	Entity 'Empleado'	X

4.1.4.21 Identifier Identifier 1 of the entity Empleado

4.1.4.21.1 Card of the identifier Identifier 1 of the entity Empleado

<i>Name</i>	Identifier_1
-------------	--------------

<i>Code</i>	IDENTIFIER_1
<i>Comment</i>	
<i>Primary Identifier</i>	Yes

4.1.4.21.2 List of attributes of the entity identifier Identifier 1

<i>Name</i>	<i>Code</i>	<i>Data Type</i>	<i>Mandatory</i>	<i>Inherited From</i>
CURP	CURP	Integer	X	

4.1.4.21.3 List of all dependencies of the entity identifier Identifier 1

<i>Name</i>	<i>Code</i>	<i>Class Name</i>
Participador2	RELATIONSHIP_17	Relationship
Supervisor	RELATIONSHIP_9	Relationship
Tener	TENER	Relationship

4.1.4.21.4 List of relationships of the entity identifier Identifier 1

<i>Name</i>	<i>Code</i>	<i>Parent</i>	<i>Generate</i>	<i>Entity 2</i>	<i>Entity 1</i>	<i>Dependent Role</i>	<i>Entity 1 -> Entity 2 Role Cardinality</i>	<i>Entity 2 -> Entity 1 Role Cardinality</i>
Participador2	RELATIONSHIP_17	Logical Data Model 'SA_EMPRESA_LOGICO_GR05'	X	Participar	Empleado		0,1	1,1
Supervisor	RELATIONSHIP_9	Logical Data Model 'SA_EMPRESA_LOGICO_GR05'	X	Empleado	Empleado		0,n	0,1
Tener	TENER	Logical Data Model 'SA_EMPRESA_LOGICO_GR05'	X	Familiar	Empleado	Familiar -> Empleado	0,n	1,1

4.1.5 Entity Empleado2**4.1.5.1 Card of entity Empleado2**

<i>Name</i>	Empleado2
<i>Code</i>	EMPLEADO2
<i>Parent</i>	Logical Data Model 'SA_EMPRESA_LOGICO_GR05'
<i>Comment</i>	
<i>Generate</i>	Yes

Number	
--------	--

4.1.5.2 List of all dependencies of the entity Empleado2

Name	Code	Class Name
Obtener	RELATIONSHIP_10	Relationship
Obtener2	RELATIONSHIP_12	Relationship

4.1.5.3 List of relationships of the entity Empleado2

Name	Code	Generate	Entity 2	Entity 1	Dependent Role	Entity 1 -> Entity 2 Role Cardinalit y	Entity 2 -> Entity 1 Role Cardinalit y
Obtener	RELATIONSHIP_10	X	Usuario	Empleado2		0,1	1,1
Obtener2	RELATIONSHIP_12	X	Usuario	Empleado2		0,1	1,1

4.1.5.4 List of diagrams containing the entity Empleado2

Name	Code
SEGURIDAD	SEGURIDAD

4.1.5.5 List of attributes of the entity Empleado2

Name	Code	Data Type	Mandatory	Inherited From
CURP	CURP2	Integer	X	
NombreUsuario	NOMBREUSUARIO	Variable characters (15)		
NombreServ	NOMBRESERV	Variable characters (15)		
ApellidoPaterno	APELLIDOPATERNO	Variable characters (20)		
ApellidoMaterno	APELLIDOMATERN O	Variable characters (20)		
Genero	GENERO	Variable characters (15)		
Nacimiento	NACIMIENTO	Date		
Salario	SALARIO	Float		
DirecCalle	DIRECCALLE	Variable characters (30)		
DirecNumExt	DIRECNUMEXT	Variable characters (15)		
DirecCP	DIRECCP	Variable characters (15)		
DirecEstado	DIRECESTADO	Variable characters (15)		

4.1.5.6 Entity attribute CURP of the entity Empleado2**4.1.5.6.1 Card of the entity attribute CURP of the entity Empleado2**

Name	CURP
Code	CURP2
Comment	
Data Type	Integer
Mandatory	Yes
Inherited From	<None>

4.1.5.6.2 Check of the entity attribute CURP of the entity Empleado2

<i>Minimum Value</i>	No
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	
<i>List Of Values</i>	

4.1.5.6.3 Server validation rule of the entity attribute CURP of the entity Empleado2

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

4.1.5.6.4 List of all dependencies of the entity attribute CURP

<i>Name</i>	<i>Code</i>	<i>Class Name</i>
?	?	Relationship Join
Identifier_1	IDENTIFIER_1	Identifier

4.1.5.6.5 List of primary relationship joins of the entity attribute CURP

<i>Parent Attribute</i>	<i>Child Attribute</i>
CURP	CURP

4.1.5.6.6 List of identifiers of the entity attribute CURP

<i>Name</i>	<i>Code</i>	<i>Parent</i>	<i>Primary Identifier</i>
Identifier_1	IDENTIFIER_1	Entity 'Empleado2'	X

4.1.5.7 Entity attribute NombreUsuario of the entity Empleado2**4.1.5.7.1 Card of the entity attribute NombreUsuario of the entity Empleado2**

<i>Name</i>	NombreUsuario
<i>Code</i>	NOMBREUSUARIO
<i>Comment</i>	
<i>Data Type</i>	Variable characters (15)
<i>Mandatory</i>	No
<i>Inherited From</i>	<None>

4.1.5.7.2 Check of the entity attribute NombreUsuario of the entity Empleado2

<i>Minimum Value</i>	No
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	
<i>List Of Values</i>	

4.1.5.7.3 Server validation rule of the entity attribute NombreUsuario of the entity Empleado2

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

4.1.5.7.4 List of all dependencies of the entity attribute NombreUsuario

<i>Name</i>	<i>Code</i>	<i>Class Name</i>
?	?	Relationship Join

4.1.5.7.5 List of foreign relationship joins of the entity attribute NombreUsuario

<i>Parent Attribute</i>	<i>Child Attribute</i>
NombreUsuario	NombreUsuario

4.1.5.8 Entity attribute NombreServ of the entity Empleado2**4.1.5.8.1 Card of the entity attribute NombreServ of the entity Empleado2**

<i>Name</i>	NombreServ
<i>Code</i>	NOMBRESERV
<i>Comment</i>	
<i>Data Type</i>	Variable characters (15)
<i>Mandatory</i>	No
<i>Inherited From</i>	<None>

4.1.5.8.2 Check of the entity attribute NombreServ of the entity Empleado2

<i>Minimum Value</i>	
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	No
<i>List Of Values</i>	

4.1.5.8.3 Server validation rule of the entity attribute NombreServ of the entity Empleado2

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

4.1.5.9 Entity attribute ApellidoPaterno of the entity Empleado2**4.1.5.9.1 Card of the entity attribute ApellidoPaterno of the entity Empleado2**

<i>Name</i>	ApellidoPaterno
<i>Code</i>	APELLIDOPATERNO
<i>Comment</i>	
<i>Data Type</i>	Variable characters (20)
<i>Mandatory</i>	No
<i>Inherited From</i>	<None>

4.1.5.9.2 Check of the entity attribute ApellidoPaterno of the entity Empleado2

<i>Minimum Value</i>	
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	No
<i>List Of Values</i>	

4.1.5.9.3 Server validation rule of the entity attribute ApellidoPaterno of the entity Empleado2

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

4.1.5.10 Entity attribute ApellidoMaterno of the entity Empleado2**4.1.5.10.1 Card of the entity attribute ApellidoMaterno of the entity Empleado2**

<i>Name</i>	ApellidoMaterno
<i>Code</i>	APELLIDOMATERNO
<i>Comment</i>	
<i>Data Type</i>	Variable characters (20)
<i>Mandatory</i>	No
<i>Inherited From</i>	<None>

4.1.5.10.2 Check of the entity attribute ApellidoMaterno of the entity Empleado2

<i>Minimum Value</i>	
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	No
<i>List Of Values</i>	

4.1.5.10.3 Server validation rule of the entity attribute ApellidoMaterno of the entity Empleado2

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

4.1.5.11 Entity attribute Genero of the entity Empleado2**4.1.5.11.1 Card of the entity attribute Genero of the entity Empleado2**

<i>Name</i>	Genero
<i>Code</i>	GENERO
<i>Comment</i>	
<i>Data Type</i>	Variable characters (15)
<i>Mandatory</i>	No
<i>Inherited From</i>	<None>

4.1.5.11.2 Check of the entity attribute Genero of the entity Empleado2

<i>Minimum Value</i>	
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	No
<i>List Of Values</i>	

4.1.5.11.3 Server validation rule of the entity attribute Genero of the entity Empleado2

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

4.1.5.12 Entity attribute Nacimiento of the entity Empleado2**4.1.5.12.1 Card of the entity attribute Nacimiento of the entity Empleado2**

<i>Name</i>	Nacimiento
-------------	------------

<i>Code</i>	NACIMIENTO
<i>Comment</i>	
<i>Data Type</i>	Date
<i>Mandatory</i>	No
<i>Inherited From</i>	<None>

4.1.5.12.2 Check of the entity attribute Nacimiento of the entity Empleado2

<i>Minimum Value</i>	
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	No
<i>List Of Values</i>	

4.1.5.12.3 Server validation rule of the entity attribute Nacimiento of the entity Empleado2

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

4.1.5.13 Entity attribute Salario of the entity Empleado2

4.1.5.13.1 Card of the entity attribute Salario of the entity Empleado2

<i>Name</i>	Salario
<i>Code</i>	SALARIO
<i>Comment</i>	
<i>Data Type</i>	Float
<i>Mandatory</i>	No
<i>Inherited From</i>	<None>

4.1.5.13.2 Check of the entity attribute Salario of the entity Empleado2

<i>Minimum Value</i>	
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	No
<i>List Of Values</i>	

4.1.5.13.3 Server validation rule of the entity attribute Salario of the entity Empleado2

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

4.1.5.14 Entity attribute DirecCalle of the entity Empleado2

4.1.5.14.1 Card of the entity attribute DirecCalle of the entity Empleado2

<i>Name</i>	DirecCalle
<i>Code</i>	DIRECCALLE
<i>Comment</i>	
<i>Data Type</i>	Variable characters (30)
<i>Mandatory</i>	No
<i>Inherited From</i>	<None>

4.1.5.14.2 Check of the entity attribute DirecCalle of the entity Empleado2

<i>Minimum Value</i>	No
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	
<i>List Of Values</i>	

4.1.5.14.3 Server validation rule of the entity attribute DirecCalle of the entity Empleado2

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

4.1.5.15 Entity attribute DirecNumExt of the entity Empleado2**4.1.5.15.1 Card of the entity attribute DirecNumExt of the entity Empleado2**

<i>Name</i>	DirecNumExt
<i>Code</i>	DIRECNUMEXT
<i>Comment</i>	
<i>Data Type</i>	Variable characters (15)
<i>Mandatory</i>	No
<i>Inherited From</i>	<None>

4.1.5.15.2 Check of the entity attribute DirecNumExt of the entity Empleado2

<i>Minimum Value</i>	No
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	
<i>List Of Values</i>	

4.1.5.15.3 Server validation rule of the entity attribute DirecNumExt of the entity Empleado2

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

4.1.5.16 Entity attribute DirecCP of the entity Empleado2**4.1.5.16.1 Card of the entity attribute DirecCP of the entity Empleado2**

<i>Name</i>	DirecCP
<i>Code</i>	DIRECCP
<i>Comment</i>	
<i>Data Type</i>	Variable characters (15)
<i>Mandatory</i>	No
<i>Inherited From</i>	<None>

4.1.5.16.2 Check of the entity attribute DirecCP of the entity Empleado2

<i>Minimum Value</i>	
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	

<i>Format</i>	No
<i>Cannot Modify</i>	
<i>List Of Values</i>	

4.1.5.16.3 Server validation rule of the entity attribute DirecCP of the entity Empleado2

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

4.1.5.17 Entity attribute DirecEstado of the entity Empleado2**4.1.5.17.1 Card of the entity attribute DirecEstado of the entity Empleado2**

<i>Name</i>	DirecEstado
<i>Code</i>	DIRECESTADO
<i>Comment</i>	
<i>Data Type</i>	Variable characters (15)
<i>Mandatory</i>	No
<i>Inherited From</i>	<None>

4.1.5.17.2 Check of the entity attribute DirecEstado of the entity Empleado2

<i>Minimum Value</i>	No
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	
<i>List Of Values</i>	

4.1.5.17.3 Server validation rule of the entity attribute DirecEstado of the entity Empleado2

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

4.1.5.18 List of identifiers of the entity Empleado2

<i>Name</i>	<i>Code</i>	<i>Parent</i>	<i>Primary Identifier</i>
Identifier_1	IDENTIFIER_1	Entity 'Empleado2'	X

4.1.5.19 Identifier Identifier 1 of the entity Empleado2**4.1.5.19.1 Card of the identifier Identifier 1 of the entity Empleado2**

<i>Name</i>	Identifier_1
<i>Code</i>	IDENTIFIER_1
<i>Comment</i>	
<i>Primary Identifier</i>	Yes

4.1.5.19.2 List of attributes of the entity identifier Identifier 1

<i>Name</i>	<i>Code</i>	<i>Data Type</i>	<i>Mandatory</i>	<i>Inherited From</i>
CURP	CURP2	Integer	X	

4.1.5.19.3 List of all dependencies of the entity identifier Identifier 1

<i>Name</i>	<i>Code</i>	<i>Class Name</i>
-------------	-------------	-------------------

Name	Code	Class Name
Obtener2	RELATIONSHIP_12	Relationship

4.1.5.19.4 List of relationships of the entity identifier Identifier 1

Name	Code	Parent	Generate	Entity 2	Entity 1	Dependent Role	Entity 1 -> Entity 2 Role Cardinality	Entity 2 -> Entity 1 Role Cardinality
Obtener 2	RELATIONSHIP_12	Logical Data Model 'SA_EMPRESA_LOGICO_GR05'	X	Usuario	Empleado2		0,1	1,1

4.1.6 Entity Encargado**4.1.6.1 Card of entity Encargado**

Name	Encargado
Code	ENCARGADO
Parent	Logical Data Model 'SA_EMPRESA_LOGICO_GR05'
Comment	
Generate	Yes
Number	

4.1.6.2 List of all dependencies of the entity Encargado

Name	Code	Class Name
Dirigir	RELATIONSHIP_16	Relationship
Dirigir2	RELATIONSHIP_18	Relationship

4.1.6.3 List of relationships of the entity Encargado

Name	Code	Generate	Entity 2	Entity 1	Dependent Role	Entity 1 -> Entity 2 Role Cardinality	Entity 2 -> Entity 1 Role Cardinality
Dirigir	RELATIONSHIP_16	X	Departamento	Encargado		1,1	0,1
Dirigir2	RELATIONSHIP_18	X	Departamento	Encargado		1,1	0,1

4.1.6.4 List of diagrams containing the entity Encargado

Name	Code
ECUSOFT	ECUSOFT

4.1.6.5 List of attributes of the entity Encargado

Name	Code	Data Type	Mandatory	Inherited From
------	------	-----------	-----------	----------------

<i>Name</i>	<i>Code</i>	<i>Data Type</i>	<i>Mandatory</i>	<i>Inherited From</i>
CURP	CURP3	Integer	X	
NumDepto	NUMDEPTO	Integer	X	
NombreServ	NOMBRESERV	Variable characters (15)		
ApellidoPaterno	APELLIDOPATERNO	Variable characters (20)		
ApellidoMaterno	APELLIDOMATERN O	Variable characters (20)		
Genero	GENERO	Variable characters (15)		
Nacimiento	NACIMIENTO	Date		
Salario	SALARIO	Float		
DirecCalle	DIRECCALLE	Variable characters (30)		
DirecNumExt	DIRECNUMEXT	Variable characters (15)		
DirecCP	DIRECCP	Variable characters (15)		
DirecEstado	DIRECESTADO	Variable characters (15)		
FechaAsDep	FECHAASDEP	Date		

4.1.6.6 Entity attribute CURP of the entity Encargado

4.1.6.6.1 Card of the entity attribute CURP of the entity Encargado

<i>Name</i>	CURP
<i>Code</i>	CURP3
<i>Comment</i>	
<i>Data Type</i>	Integer
<i>Mandatory</i>	Yes
<i>Inherited From</i>	<None>

4.1.6.6.2 Check of the entity attribute CURP of the entity Encargado

<i>Minimum Value</i>	
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	No
<i>List Of Values</i>	

4.1.6.6.3 Server validation rule of the entity attribute CURP of the entity Encargado

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

4.1.6.6.4 List of all dependencies of the entity attribute CURP

<i>Name</i>	<i>Code</i>	<i>Class Name</i>
?	?	Relationship Join
Identifier_1	IDENTIFIER_1	Identifier

4.1.6.6.5 List of primary relationship joins of the entity attribute CURP

<i>Parent Attribute</i>	<i>Child Attribute</i>
CURP	CURP

<i>Name</i>	<i>Code</i>	<i>Parent</i>	<i>Primary Identifier</i>
Identifier_1	IDENTIFIER_1	Entity 'Encargado'	X

4.1.6.7 Entity attribute NumDepto of the entity Encargado

4.1.6.7.1 Card of the entity attribute NumDepto of the entity Encargado

<i>Name</i>	NumDepto
<i>Code</i>	NUMDEPTO
<i>Comment</i>	
<i>Data Type</i>	Integer
<i>Mandatory</i>	Yes
<i>Inherited From</i>	<None>

4.1.6.7.2 Check of the entity attribute NumDepto of the entity Encargado

<i>Minimum Value</i>	
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	No
<i>List Of Values</i>	

4.1.6.7.3 Server validation rule of the entity attribute NumDepto of the entity Encargado

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

4.1.6.7.4 List of all dependencies of the entity attribute NumDepto

<i>Name</i>	<i>Code</i>	<i>Class Name</i>
?	?	Relationship Join

4.1.6.7.5 List of foreign relationship joins of the entity attribute NumDepto

<i>Parent Attribute</i>	<i>Child Attribute</i>
NumDepto	NumDepto

4.1.6.8 Entity attribute NombreServ of the entity Encargado

4.1.6.8.1 Card of the entity attribute NombreServ of the entity Encargado

<i>Name</i>	NombreServ
<i>Code</i>	NOMBRESERV
<i>Comment</i>	
<i>Data Type</i>	Variable characters (15)
<i>Mandatory</i>	No
<i>Inherited From</i>	<None>

4.1.6.8.2 Check of the entity attribute NombreServ of the entity Encargado

<i>Minimum Value</i>	
<i>Maximum Value</i>	
<i>Default Value</i>	

<i>Unit</i>	No
<i>Format</i>	
<i>Cannot Modify</i>	
<i>List Of Values</i>	

4.1.6.8.3 Server validation rule of the entity attribute NombreServ of the entity Encargado

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

4.1.6.9 Entity attribute ApellidoPaterno of the entity Encargado

4.1.6.9.1 Card of the entity attribute ApellidoPaterno of the entity Encargado

<i>Name</i>	ApellidoPaterno
<i>Code</i>	APELLIDOPATERNO
<i>Comment</i>	
<i>Data Type</i>	Variable characters (20)
<i>Mandatory</i>	No
<i>Inherited From</i>	<None>

4.1.6.9.2 Check of the entity attribute ApellidoPaterno of the entity Encargado

<i>Minimum Value</i>	No
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	
<i>List Of Values</i>	

4.1.6.9.3 Server validation rule of the entity attribute ApellidoPaterno of the entity Encargado

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

4.1.6.10 Entity attribute ApellidoMaterno of the entity Encargado

4.1.6.10.1 Card of the entity attribute ApellidoMaterno of the entity Encargado

<i>Name</i>	ApellidoMaterno
<i>Code</i>	APELLIDOMATERNO
<i>Comment</i>	
<i>Data Type</i>	Variable characters (20)
<i>Mandatory</i>	No
<i>Inherited From</i>	<None>

4.1.6.10.2 Check of the entity attribute ApellidoMaterno of the entity Encargado

<i>Minimum Value</i>	No
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	
<i>List Of Values</i>	

4.1.6.10.3 Server validation rule of the entity attribute ApellidoMaterno of the entity Encargado

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

4.1.6.11 Entity attribute Genero of the entity Encargado

4.1.6.11.1 Card of the entity attribute Genero of the entity Encargado

<i>Name</i>	Genero
<i>Code</i>	GENERO
<i>Comment</i>	
<i>Data Type</i>	Variable characters (15)
<i>Mandatory</i>	No
<i>Inherited From</i>	<None>

4.1.6.11.2 Check of the entity attribute Genero of the entity Encargado

<i>Minimum Value</i>	
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	No
<i>List Of Values</i>	

4.1.6.11.3 Server validation rule of the entity attribute Genero of the entity Encargado

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

4.1.6.12 Entity attribute Nacimiento of the entity Encargado

4.1.6.12.1 Card of the entity attribute Nacimiento of the entity Encargado

<i>Name</i>	Nacimiento
<i>Code</i>	NACIMIENTO
<i>Comment</i>	
<i>Data Type</i>	Date
<i>Mandatory</i>	No
<i>Inherited From</i>	<None>

4.1.6.12.2 Check of the entity attribute Nacimiento of the entity Encargado

<i>Minimum Value</i>	
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	No
<i>List Of Values</i>	

4.1.6.12.3 Server validation rule of the entity attribute Nacimiento of the entity Encargado

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

4.1.6.13 Entity attribute Salario of the entity Encargado

4.1.6.13.1 Card of the entity attribute Salario of the entity Encargado

<i>Name</i>	Salario
<i>Code</i>	SALARIO
<i>Comment</i>	

<i>Data Type</i>	Float
<i>Mandatory</i>	No
<i>Inherited From</i>	<None>

4.1.6.13.2 Check of the entity attribute Salario of the entity Encargado

<i>Minimum Value</i>	No
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	
<i>List Of Values</i>	

4.1.6.13.3 Server validation rule of the entity attribute Salario of the entity Encargado

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

4.1.6.14 Entity attribute DirecCalle of the entity Encargado

4.1.6.14.1 Card of the entity attribute DirecCalle of the entity Encargado

<i>Name</i>	DirecCalle
<i>Code</i>	DIRECCALLE
<i>Comment</i>	
<i>Data Type</i>	Variable characters (30)
<i>Mandatory</i>	No
<i>Inherited From</i>	<None>

4.1.6.14.2 Check of the entity attribute DirecCalle of the entity Encargado

<i>Minimum Value</i>	No
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	
<i>List Of Values</i>	

4.1.6.14.3 Server validation rule of the entity attribute DirecCalle of the entity Encargado

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

4.1.6.15 Entity attribute DirecNumExt of the entity Encargado

4.1.6.15.1 Card of the entity attribute DirecNumExt of the entity Encargado

<i>Name</i>	DirecNumExt
<i>Code</i>	DIRECNUMEXT
<i>Comment</i>	
<i>Data Type</i>	Variable characters (15)
<i>Mandatory</i>	No
<i>Inherited From</i>	<None>

4.1.6.15.2 Check of the entity attribute DirecNumExt of the entity Encargado

<i>Minimum Value</i>	
----------------------	--

<i>Maximum Value</i>	No
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	
<i>List Of Values</i>	

4.1.6.15.3 Server validation rule of the entity attribute DirecNumExt of the entity Encargado

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

4.1.6.16 Entity attribute DirecCP of the entity Encargado

4.1.6.16.1 Card of the entity attribute DirecCP of the entity Encargado

<i>Name</i>	DirecCP
<i>Code</i>	DIRECCP
<i>Comment</i>	
<i>Data Type</i>	Variable characters (15)
<i>Mandatory</i>	No
<i>Inherited From</i>	<None>

4.1.6.16.2 Check of the entity attribute DirecCP of the entity Encargado

<i>Minimum Value</i>	No
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	
<i>List Of Values</i>	

4.1.6.16.3 Server validation rule of the entity attribute DirecCP of the entity Encargado

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

4.1.6.17 Entity attribute DirecEstado of the entity Encargado

4.1.6.17.1 Card of the entity attribute DirecEstado of the entity Encargado

<i>Name</i>	DirecEstado
<i>Code</i>	DIRECESTADO
<i>Comment</i>	
<i>Data Type</i>	Variable characters (15)
<i>Mandatory</i>	No
<i>Inherited From</i>	<None>

4.1.6.17.2 Check of the entity attribute DirecEstado of the entity Encargado

<i>Minimum Value</i>	No
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	
<i>List Of Values</i>	

4.1.6.17.3 Server validation rule of the entity attribute DirecEstado of the entity Encargado

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

4.1.6.18 Entity attribute FechaAsDep of the entity Encargado**4.1.6.18.1 Card of the entity attribute FechaAsDep of the entity Encargado**

<i>Name</i>	FechaAsDep
<i>Code</i>	FECHAASDEP
<i>Comment</i>	
<i>Data Type</i>	Date
<i>Mandatory</i>	No
<i>Inherited From</i>	<None>

4.1.6.18.2 Check of the entity attribute FechaAsDep of the entity Encargado

<i>Minimum Value</i>	No
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	
<i>List Of Values</i>	

4.1.6.18.3 Server validation rule of the entity attribute FechaAsDep of the entity Encargado

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

4.1.6.19 List of identifiers of the entity Encargado

<i>Name</i>	<i>Code</i>	<i>Parent</i>	<i>Primary Identifier</i>
Identifier_1	IDENTIFIER_1	Entity 'Encargado'	X

4.1.6.20 Identifier Identifier 1 of the entity Encargado**4.1.6.20.1 Card of the identifier Identifier 1 of the entity Encargado**

<i>Name</i>	Identifier_1
<i>Code</i>	IDENTIFIER_1
<i>Comment</i>	
<i>Primary Identifier</i>	Yes

4.1.6.20.2 List of attributes of the entity identifier Identifier 1

<i>Name</i>	<i>Code</i>	<i>Data Type</i>	<i>Mandatory</i>	<i>Inherited From</i>
CURP	CURP3	Integer	X	

4.1.6.20.3 List of all dependencies of the entity identifier Identifier 1

<i>Name</i>	<i>Code</i>	<i>Class Name</i>
Dirigir2	RELATIONSHIP_18	Relationship

4.1.6.20.4 List of relationships of the entity identifier Identifier 1

Name	Code	Parent	Generate	Entity 2	Entity 1	Dependent Role	Entity 1 -> Entity 2 Role Cardinality	Entity 2 -> Entity 1 Role Cardinality
Dirigir2	RELATIONSHIP_18	Logical Data Model 'SA_EMPRESA_LOGICO_GR05'	X	Departamento	Encargado		1,1	0,1

4.1.7 Entity Estado

4.1.7.1 Card of entity Estado

Name	Estado
Code	ESTADO
Parent	Logical Data Model 'SA_EMPRESA_LOGICO_GR05'
Comment	
Generate	Yes
Number	

4.1.7.2 List of all dependencies of the entity Estado

Name	Code	Class Name
Tener	RELATIONSHIP_11	Relationship

4.1.7.3 List of relationships of the entity Estado

Name	Code	Generate	Entity 2	Entity 1	Dependent Role	Entity 1 -> Entity 2 Role Cardinality	Entity 2 -> Entity 1 Role Cardinality
Tener	RELATIONSHIP_11	X	Estado	Usuario		1,1	0,n

4.1.7.4 List of diagrams containing the entity Estado

Name	Code
SEGURIDAD	SEGURIDAD

4.1.7.5 List of attributes of the entity Estado

Name	Code	Data Type	Mandatory	Inherited From
IdEstado	IDESTADO	Characters (1)	X	
DescEstado	DESCESTADO	Variable characters (15)		

4.1.7.6 Entity attribute IdEstado of the entity Estado

4.1.7.6.1 Card of the entity attribute IdEstado of the entity Estado

Name	IdEstado
Code	IDESTADO

<i>Comment</i>	
<i>Data Type</i>	Characters (1)
<i>Mandatory</i>	Yes
<i>Inherited From</i>	<None>

4.1.7.6.2 Check of the entity attribute IdEstado of the entity Estado

<i>Minimum Value</i>	
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	No
<i>List Of Values</i>	

4.1.7.6.3 Server validation rule of the entity attribute IdEstado of the entity Estado

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

4.1.7.6.4 List of all dependencies of the entity attribute IdEstado

<i>Name</i>	<i>Code</i>	<i>Class Name</i>
Identifier_1	IDENTIFIER_1	Identifier
?	?	Relationship Join

4.1.7.6.5 List of primary relationship joins of the entity attribute IdEstado

<i>Parent Attribute</i>	<i>Child Attribute</i>
IdEstado	IdEstado

4.1.7.6.6 List of identifiers of the entity attribute IdEstado

<i>Name</i>	<i>Code</i>	<i>Parent</i>	<i>Primary Identifier</i>
Identifier_1	IDENTIFIER_1	Entity 'Estado'	X

4.1.7.7 Entity attribute DescEstado of the entity Estado**4.1.7.7.1 Card of the entity attribute DescEstado of the entity Estado**

<i>Name</i>	DescEstado
<i>Code</i>	DESCESTADO
<i>Comment</i>	
<i>Data Type</i>	Variable characters (15)
<i>Mandatory</i>	No
<i>Inherited From</i>	<None>

4.1.7.7.2 Check of the entity attribute DescEstado of the entity Estado

<i>Minimum Value</i>	
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	No

List Of Values	
----------------	--

4.1.7.7.3 Server validation rule of the entity attribute DescEstado of the entity Estado

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

4.1.7.8 List of identifiers of the entity Estado

Name	Code	Parent	Primary Identifier
Identifier_1	IDENTIFIER_1	Entity 'Estado'	X

4.1.7.9 Identifier Identifier 1 of the entity Estado

4.1.7.9.1 Card of the identifier Identifier 1 of the entity Estado

Name	Identifier_1
Code	IDENTIFIER_1
Comment	
Primary Identifier	Yes

4.1.7.9.2 List of attributes of the entity identifier Identifier 1

Name	Code	Data Type	Mandatory	Inherited From
IdEstado	IDESTADO	Characters (1)	X	

4.1.7.9.3 List of all dependencies of the entity identifier Identifier 1

Name	Code	Class Name
Tener	RELATIONSHIP_11	Relationship

4.1.7.9.4 List of relationships of the entity identifier Identifier 1

Name	Code	Parent	Generate	Entity 2	Entity 1	Dependent Role	Entity 1 -> Entity 2 Role Cardinality	Entity 2 -> Entity 1 Role Cardinality
Tener	RELATIONSHIP_11	Logical Data Model 'SA_EMPRESA_LOGICO_GR05'	X	Estado	Usuario		1,1	0,n

4.1.8 Entity Familiar

4.1.8.1 Card of entity Familiar

Name	Familiar
Code	FAMILIAR
Parent	Logical Data Model 'SA_EMPRESA_LOGICO_GR05'
Comment	
Generate Number	Yes

4.1.8.2 List of all dependencies of the entity Familiar

<i>Name</i>	<i>Code</i>	<i>Class Name</i>
Tener	TENER	Relationship

4.1.8.3 List of relationships of the entity Familiar

<i>Name</i>	<i>Code</i>	<i>Generate</i>	<i>Entity 2</i>	<i>Entity 1</i>	<i>Dependent Role</i>	<i>Entity 1 -> Entity 2 Role Cardinalit y</i>	<i>Entity 2 -> Entity 1 Role Cardinalit y</i>
Tener	TENER	X	Familiar	Empleado	Familiar -> Empleado	0,n	1,1

4.1.8.4 List of diagrams containing the entity Familiar

<i>Name</i>	<i>Code</i>
ECUSOFT	ECUSOFT

4.1.8.5 List of attributes of the entity Familiar

<i>Name</i>	<i>Code</i>	<i>Data Type</i>	<i>Mandat ory</i>	<i>Inherited From</i>
CURP	CURP	Integer	X	
IdFamiliar	IDFAMILIAR	Integer	X	
FamNombre	FAMNOMBRE	Variable characters (20)		
FamApellidoPaterno	FAMPELLIDOPATERNO	Variable characters (20)		
FamApellidoMaterno	FAMPELLIDOMATERN	Variable characters (20)		
FamNacimiento	FAMNACIMIENTO	Date		
Parentesco	PARENTESCO	Variable characters (15)		
FamGenero	FAMGENERO	Variable characters (15)		
FamEdad	FAMEDAD	Integer		

4.1.8.6 Entity attribute CURP of the entity Familiar**4.1.8.6.1 Card of the entity attribute CURP of the entity Familiar**

<i>Name</i>	CURP
<i>Code</i>	CURP
<i>Comment</i>	
<i>Data Type</i>	Integer
<i>Mandatory</i>	Yes
<i>Inherited From</i>	<None>

4.1.8.6.2 Check of the entity attribute CURP of the entity Familiar

<i>Minimum Value</i>	
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	No

List Of Values	
----------------	--

4.1.8.6.3 Server validation rule of the entity attribute CURP of the entity Familiar

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

4.1.8.6.4 List of all dependencies of the entity attribute CURP

Name	Code	Class Name
? Identifier_1	? IDENTIFIER_1	Relationship Join Identifier

4.1.8.6.5 List of foreign relationship joins of the entity attribute CURP

Parent Attribute	Child Attribute
CURP	CURP

4.1.8.6.6 List of identifiers of the entity attribute CURP

Name	Code	Parent	Primary Identifier
Identifier_1	IDENTIFIER_1	Entity 'Familiar'	X

4.1.8.7 Entity attribute IdFamiliar of the entity Familiar**4.1.8.7.1 Card of the entity attribute IdFamiliar of the entity Familiar**

Name	IdFamiliar
Code	IDFAMILIAR
Comment	
Data Type	Integer
Mandatory	Yes
Inherited From	<None>

4.1.8.7.2 Check of the entity attribute IdFamiliar of the entity Familiar

Minimum Value	
Maximum Value	
Default Value	
Unit	
Format	
Cannot Modify	No
List Of Values	

4.1.8.7.3 Server validation rule of the entity attribute IdFamiliar of the entity Familiar

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

4.1.8.7.4 List of all dependencies of the entity attribute IdFamiliar

Name	Code	Class Name
Identifier_1	IDENTIFIER_1	Identifier

4.1.8.7.5 List of identifiers of the entity attribute IdFamiliar

Name	Code	Parent	Primary Identifier

<i>Name</i>	<i>Code</i>	<i>Parent</i>	<i>Primar y Identifi er</i>
Identifier_1	IDENTIFIER_1	Entity 'Familiar'	X

4.1.8.8 Entity attribute FamNombre of the entity Familiar

4.1.8.8.1 Card of the entity attribute FamNombre of the entity Familiar

<i>Name</i>	FamNombre
<i>Code</i>	FAMNOMBRE
<i>Comment</i>	
<i>Data Type</i>	Variable characters (20)
<i>Mandatory</i>	No
<i>Inherited From</i>	<None>

4.1.8.8.2 Check of the entity attribute FamNombre of the entity Familiar

<i>Minimum Value</i>	
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	No
<i>List Of Values</i>	

4.1.8.8.3 Server validation rule of the entity attribute FamNombre of the entity Familiar

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

4.1.8.9 Entity attribute FamApellidoPaterno of the entity Familiar

4.1.8.9.1 Card of the entity attribute FamApellidoPaterno of the entity Familiar

<i>Name</i>	FamApellidoPaterno
<i>Code</i>	FAMAPPELLIDOPATERNO
<i>Comment</i>	
<i>Data Type</i>	Variable characters (20)
<i>Mandatory</i>	No
<i>Inherited From</i>	<None>

4.1.8.9.2 Check of the entity attribute FamApellidoPaterno of the entity Familiar

<i>Minimum Value</i>	
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	No
<i>List Of Values</i>	

4.1.8.9.3 Server validation rule of the entity attribute FamApellidoPaterno of the entity Familiar

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

4.1.8.10 Entity attribute FamApellidoMaterno of the entity Familiar

4.1.8.10.1 Card of the entity attribute FamApellidoMaterno of the entity Familiar

<i>Name</i>	FamApellidoMaterno
<i>Code</i>	FAMAPPELLIDOMATERNO
<i>Comment</i>	
<i>Data Type</i>	Variable characters (20)
<i>Mandatory</i>	No
<i>Inherited From</i>	<None>

4.1.8.10.2 Check of the entity attribute FamApellidoMaterno of the entity Familiar

<i>Minimum Value</i>	
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	No
<i>List Of Values</i>	

4.1.8.10.3 Server validation rule of the entity attribute FamApellidoMaterno of the entity Familiar

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

4.1.8.11 Entity attribute FamNacimiento of the entity Familiar**4.1.8.11.1 Card of the entity attribute FamNacimiento of the entity Familiar**

<i>Name</i>	FamNacimiento
<i>Code</i>	FAMNACIMIENTO
<i>Comment</i>	
<i>Data Type</i>	Date
<i>Mandatory</i>	No
<i>Inherited From</i>	<None>

4.1.8.11.2 Check of the entity attribute FamNacimiento of the entity Familiar

<i>Minimum Value</i>	
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	No
<i>List Of Values</i>	

4.1.8.11.3 Server validation rule of the entity attribute FamNacimiento of the entity Familiar

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

4.1.8.12 Entity attribute Parentesco of the entity Familiar**4.1.8.12.1 Card of the entity attribute Parentesco of the entity Familiar**

<i>Name</i>	Parentesco
<i>Code</i>	PARENTESCO
<i>Comment</i>	
<i>Data Type</i>	Variable characters (15)

<i>Mandatory</i>	No
<i>Inherited From</i>	<None>

4.1.8.12.2 Check of the entity attribute Parentesco of the entity Familiar

<i>Minimum Value</i>	No
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	
<i>List Of Values</i>	

4.1.8.12.3 Server validation rule of the entity attribute Parentesco of the entity Familiar

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

4.1.8.13 Entity attribute FamGenero of the entity Familiar

4.1.8.13.1 Card of the entity attribute FamGenero of the entity Familiar

<i>Name</i>	FamGenero
<i>Code</i>	FAMGENERO
<i>Comment</i>	
<i>Data Type</i>	Variable characters (15)
<i>Mandatory</i>	No
<i>Inherited From</i>	<None>

4.1.8.13.2 Check of the entity attribute FamGenero of the entity Familiar

<i>Minimum Value</i>	No
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	
<i>List Of Values</i>	

4.1.8.13.3 Server validation rule of the entity attribute FamGenero of the entity Familiar

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

4.1.8.14 Entity attribute FamEdad of the entity Familiar

4.1.8.14.1 Card of the entity attribute FamEdad of the entity Familiar

<i>Name</i>	FamEdad
<i>Code</i>	FAMEDAD
<i>Comment</i>	
<i>Data Type</i>	Integer
<i>Mandatory</i>	No
<i>Inherited From</i>	<None>

4.1.8.14.2 Check of the entity attribute FamEdad of the entity Familiar

<i>Minimum Value</i>	
<i>Maximum Value</i>	

<i>Default Value</i> <i>Unit</i> <i>Format</i> <i>Cannot Modify</i> <i>List Of Values</i>	No
-------------------------------------------------------------------------------------------------------	----

4.1.8.14.3 Server validation rule of the entity attribute FamEdad of the entity Familiar

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

4.1.8.15 List of identifiers of the entity Familiar

<i>Name</i>	<i>Code</i>	<i>Parent</i>	<i>Primary Identifier</i>
Identifier_1	IDENTIFIER_1	Entity 'Familiar'	X

4.1.8.16 Identifier Identifier 1 of the entity Familiar

4.1.8.16.1 Card of the identifier Identifier 1 of the entity Familiar

<i>Name</i>	Identifier_1
<i>Code</i>	IDENTIFIER_1
<i>Comment</i>	
<i>Primary Identifier</i>	Yes

4.1.8.16.2 List of attributes of the entity identifier Identifier 1

<i>Name</i>	<i>Code</i>	<i>Data Type</i>	<i>Mandatory</i>	<i>Inherited From</i>
CURP	CURP	Integer	X	
IdFamiliar	IDFAMILIAR	Integer	X	

4.1.9 Entity Participar

4.1.9.1 Card of entity Participar

<i>Name</i>	Participar
<i>Code</i>	PARTICIPAR
<i>Parent</i>	Logical Data Model 'SA_EMPRESA_LOGICO_GR05'
<i>Comment</i>	
<i>Generate Number</i>	Yes

4.1.9.2 List of all dependencies of the entity Participar

<i>Name</i>	<i>Code</i>	<i>Class Name</i>
Participador	RELATIONSHIP_8	Relationship
Participador2	RELATIONSHIP_17	Relationship
Participan	PARTICIPAN	Relationship

4.1.9.3 List of relationships of the entity Participar

<i>Name</i>	<i>Code</i>	<i>Generate</i>	<i>Entity 2</i>	<i>Entity 1</i>	<i>Dependent Role</i>	<i>Entity 1 -> Entity 2 Role Cardinality</i>	<i>Entity 2 -> Entity 1 Role Cardinality</i>

Name	Code	Generate	Entity 2	Entity 1	Dependent Role	Entity 1 -> Entity 2 Role Cardinality	Entity 2 -> Entity 1 Role Cardinality
Participador	RELATIONSHIP_8	X	Participar	Empleado		0,1	1,1
Participador2	RELATIONSHIP_17	X	Participar	Empleado		0,1	1,1
Participante	PARTICIPANTE	X	Proyecto	Participar		1,n	0,1

4.1.9.4 List of diagrams containing the entity Participar

Name	Code
ECUSOFT	ECUSOFT

4.1.9.5 List of attributes of the entity Participar

Name	Code	Data Type	Mandatory	Inherited From
IdParticipar	IDPARTICIPAR	Integer	X	
CURP	CURP	Integer	X	
Horas	HORAS	Time		

4.1.9.6 Entity attribute IdParticipar of the entity Participar

4.1.9.6.1 Card of the entity attribute IdParticipar of the entity Participar

Name	IdParticipar
Code	IDPARTICIPAR
Comment	
Data Type	Integer
Mandatory	Yes
Inherited From	<None>

4.1.9.6.2 Check of the entity attribute IdParticipar of the entity Participar

Minimum Value	
Maximum Value	
Default Value	
Unit	
Format	
Cannot Modify	No
List Of Values	

4.1.9.6.3 Server validation rule of the entity attribute IdParticipar of the entity Participar

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

4.1.9.6.4 List of all dependencies of the entity attribute IdParticipar

Name	Code	Class Name
Identifier_1	IDENTIFIER_1	Identifier
?	?	Relationship Join
?	?	Relationship Join

4.1.9.6.5 List of primary relationship joins of the entity attribute IdParticipar

<i>Parent Attribute</i>	<i>Child Attribute</i>
IdParticipar IdParticipar	IdParticipar IdParticipar

4.1.9.6.6 List of identifiers of the entity attribute IdParticipar

<i>Name</i>	<i>Code</i>	<i>Parent</i>	<i>Primary Identifier</i>
Identifier_1	IDENTIFIER_1	Entity 'Participar'	X

4.1.9.7 Entity attribute CURP of the entity Participar**4.1.9.7.1 Card of the entity attribute CURP of the entity Participar**

<i>Name</i>	CURP
<i>Code</i>	CURP
<i>Comment</i>	
<i>Data Type</i>	Integer
<i>Mandatory</i>	Yes
<i>Inherited From</i>	<None>

4.1.9.7.2 Check of the entity attribute CURP of the entity Participar

<i>Minimum Value</i>	
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	No
<i>List Of Values</i>	

4.1.9.7.3 Server validation rule of the entity attribute CURP of the entity Participar

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

4.1.9.7.4 List of all dependencies of the entity attribute CURP

<i>Name</i>	<i>Code</i>	<i>Class Name</i>
?	?	Relationship Join

4.1.9.7.5 List of foreign relationship joins of the entity attribute CURP

<i>Parent Attribute</i>	<i>Child Attribute</i>
CURP	CURP

4.1.9.8 Entity attribute Horas of the entity Participar**4.1.9.8.1 Card of the entity attribute Horas of the entity Participar**

<i>Name</i>	Horas
<i>Code</i>	HORAS
<i>Comment</i>	
<i>Data Type</i>	Time
<i>Mandatory</i>	No

<i>Inherited From</i>	<None>
-----------------------	--------

4.1.9.8.2 Check of the entity attribute Horas of the entity Participar

<i>Minimum Value</i>	No
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	
<i>List Of Values</i>	

4.1.9.8.3 Server validation rule of the entity attribute Horas of the entity Participar

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

4.1.9.9 List of identifiers of the entity Participar

<i>Name</i>	<i>Code</i>	<i>Parent</i>	<i>Primary Identifier</i>
Identifier_1	IDENTIFIER_1	Entity 'Participar'	X

4.1.9.10 Identifier Identifier 1 of the entity Participar**4.1.9.10.1 Card of the identifier Identifier 1 of the entity Participar**

<i>Name</i>	Identifier_1
<i>Code</i>	IDENTIFIER_1
<i>Comment</i>	
<i>Primary Identifier</i>	Yes

4.1.9.10.2 List of attributes of the entity identifier Identifier 1

<i>Name</i>	<i>Code</i>	<i>Data Type</i>	<i>Mandatory</i>	<i>Inherited From</i>
IdParticipar	IDPARTICIPAR	Integer	X	

4.1.9.10.3 List of all dependencies of the entity identifier Identifier 1

<i>Name</i>	<i>Code</i>	<i>Class Name</i>
Participador	RELATIONSHIP_8	Relationship
Participan	PARTICIPAN	Relationship

4.1.9.10.4 List of relationships of the entity identifier Identifier 1

<i>Name</i>	<i>Code</i>	<i>Parent</i>	<i>Generate</i>	<i>Entity 2</i>	<i>Entity 1</i>	<i>Dependent Role</i>	<i>Entity 1 -> Entity 2 Role Cardinality</i>	<i>Entity 2 -> Entity 1 Role Cardinality</i>

Name	Code	Parent	Generate	Entity 2	Entity 1	Dependent Role	Entity 1 -> Entity 2 Role Cardinality	Entity 2 -> Entity 1 Role Cardinality
Participador	RELATIONSHIP_8	Logical Data Model 'SA_EMPRESA_LOGICO_GR05'	X	Participar	Empleado		0,1	1,1
Participante	PARTICIPAN	Logical Data Model 'SA_EMPRESA_LOGICO_GR05'	X	Proyecto	Participar		1,n	0,1

4.1.10 Entity Productos

4.1.10.1 Card of entity Productos

Name	Productos
Code	PRODUCTOS
Parent	Logical Data Model 'SA_EMPRESA_LOGICO_GR05'
Comment	
Generate	Yes
Number	

4.1.10.2 List of all dependencies of the entity Productos

Name	Code	Class Name
Adquirir2	RELATIONSHIP_14	Relationship

4.1.10.3 List of relationships of the entity Productos

Name	Code	Generate	Entity 2	Entity 1	Dependent Role	Entity 1 -> Entity 2 Role Cardinality	Entity 2 -> Entity 1 Role Cardinality
Adquirir2	RELATIONSHIP_14	X	Productos	Cliente		0,n	0,1

4.1.10.4 List of diagrams containing the entity Productos

Name	Code
ECUSOFT	ECUSOFT

4.1.10.5 List of attributes of the entity Productos

Name	Code	Data Type	Mandatory	Inherited From
IdProductos	IDPRODUCTOS	Integer	X	

<i>Name</i>	<i>Code</i>	<i>Data Type</i>	<i>Mandatory</i>	<i>Inherited From</i>
CI	CI	Integer		
DescripconProd	DESCRIPCONPROD	Variable characters (100)		
PrecioProd	PRECIOPROD	Float		
NombreProd	NOMBREPROD	Variable characters (30)		

4.1.10.6 Entity attribute IdProductos of the entity Productos

4.1.10.6.1 Card of the entity attribute IdProductos of the entity Productos

<i>Name</i>	IdProductos
<i>Code</i>	IDPRODUCTOS
<i>Comment</i>	
<i>Data Type</i>	Integer
<i>Mandatory</i>	Yes
<i>Inherited From</i>	<None>

4.1.10.6.2 Check of the entity attribute IdProductos of the entity Productos

<i>Minimum Value</i>	
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	No
<i>List Of Values</i>	

4.1.10.6.3 Server validation rule of the entity attribute IdProductos of the entity Productos

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

4.1.10.6.4 List of all dependencies of the entity attribute IdProductos

<i>Name</i>	<i>Code</i>	<i>Class Name</i>
Identifier_1	IDENTIFIER_1	Identifier

4.1.10.6.5 List of identifiers of the entity attribute IdProductos

<i>Name</i>	<i>Code</i>	<i>Parent</i>	<i>Primary Identifier</i>
Identifier_1	IDENTIFIER_1	Entity 'Productos'	X

4.1.10.7 Entity attribute CI of the entity Productos

4.1.10.7.1 Card of the entity attribute CI of the entity Productos

<i>Name</i>	CI
<i>Code</i>	CI
<i>Comment</i>	
<i>Data Type</i>	Integer
<i>Mandatory</i>	No
<i>Inherited From</i>	<None>

4.1.10.7.2 Check of the entity attribute CI of the entity Productos

<i>Minimum Value</i>	No
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	
<i>List Of Values</i>	

4.1.10.7.3 Server validation rule of the entity attribute CI of the entity Productos

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

4.1.10.7.4 List of all dependencies of the entity attribute CI

<i>Name</i>	<i>Code</i>	<i>Class Name</i>
?	?	Relationship Join

4.1.10.7.5 List of foreign relationship joins of the entity attribute CI

<i>Parent Attribute</i>	<i>Child Attribute</i>
CI	CI

4.1.10.8 Entity attribute DescripconProd of the entity Productos**4.1.10.8.1 Card of the entity attribute DescripconProd of the entity Productos**

<i>Name</i>	DescripconProd
<i>Code</i>	DESCRIPCONPROD
<i>Comment</i>	
<i>Data Type</i>	Variable characters (100)
<i>Mandatory</i>	No
<i>Inherited From</i>	<None>

4.1.10.8.2 Check of the entity attribute DescripconProd of the entity Productos

<i>Minimum Value</i>	No
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	
<i>List Of Values</i>	

4.1.10.8.3 Server validation rule of the entity attribute DescripconProd of the entity Productos

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

4.1.10.9 Entity attribute PrecioProd of the entity Productos**4.1.10.9.1 Card of the entity attribute PrecioProd of the entity Productos**

<i>Name</i>	PrecioProd
<i>Code</i>	PRECIOPROD
<i>Comment</i>	
<i>Data Type</i>	Float

<i>Mandatory</i>	No
<i>Inherited From</i>	<None>

4.1.10.9.2 Check of the entity attribute PrecioProd of the entity Productos

<i>Minimum Value</i>	
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	No
<i>List Of Values</i>	

4.1.10.9.3 Server validation rule of the entity attribute PrecioProd of the entity Productos

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

4.1.10.10 Entity attribute NombreProd of the entity Productos

4.1.10.10.1 Card of the entity attribute NombreProd of the entity Productos

<i>Name</i>	NombreProd
<i>Code</i>	NOMBREPROD
<i>Comment</i>	
<i>Data Type</i>	Variable characters (30)
<i>Mandatory</i>	No
<i>Inherited From</i>	<None>

4.1.10.10.2 Check of the entity attribute NombreProd of the entity Productos

<i>Minimum Value</i>	
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	No
<i>List Of Values</i>	

4.1.10.10.3 Server validation rule of the entity attribute NombreProd of the entity Productos

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

4.1.10.11 List of identifiers of the entity Productos

<i>Name</i>	<i>Code</i>	<i>Parent</i>	<i>Primary Identifier</i>
Identifier_1	IDENTIFIER_1	Entity 'Productos'	X

4.1.10.12 Identifier Identifier 1 of the entity Productos

4.1.10.12.1 Card of the identifier Identifier 1 of the entity Productos

<i>Name</i>	Identifier_1
<i>Code</i>	IDENTIFIER_1
<i>Comment</i>	
<i>Primary Identifier</i>	Yes

4.1.10.12.2 List of attributes of the entity identifier Identifier 1

<i>Name</i>	<i>Code</i>	<i>Data Type</i>	<i>Mandatory</i>	<i>Inherited From</i>
IdProductos	IDPRODUCTOS	Integer	X	

4.1.11 Entity Proyecto**4.1.11.1 Card of entity Proyecto**

<i>Name</i>	Proyecto
<i>Code</i>	PROYECTO
<i>Parent</i>	Logical Data Model 'SA_EMPRESA_LOGICO_GR05'
<i>Comment</i>	
<i>Generate</i>	Yes
<i>Number</i>	

4.1.11.2 List of all dependencies of the entity Proyecto

<i>Name</i>	<i>Code</i>	<i>Class Name</i>
Controlar	CONTROLAR	Relationship
Participan	PARTICIPAN	Relationship
Solicitar	SOLICITAR	Relationship

4.1.11.3 List of relationships of the entity Proyecto

<i>Name</i>	<i>Code</i>	<i>Generate</i>	<i>Entity 2</i>	<i>Entity 1</i>	<i>Dependent Role</i>	<i>Entity 1 -> Entity 2 Role Cardinality</i>	<i>Entity 2 -> Entity 1 Role Cardinality</i>
Controlar	CONTROLAR	X	Proyecto	Departamento		0,n	1,1
Participan	PARTICIPAN	X	Proyecto	Participar		1,n	0,1
Solicitar	SOLICITAR	X	Proyecto	Cliente		0,n	1,1

4.1.11.4 List of diagrams containing the entity Proyecto

<i>Name</i>	<i>Code</i>
ECUSOFT	ECUSOFT

4.1.11.5 List of attributes of the entity Proyecto

<i>Name</i>	<i>Code</i>	<i>Data Type</i>	<i>Mandatory</i>	<i>Inherited From</i>
NumProy	NUMPROY	Integer	X	
NumDepto	NUMDEPTO	Integer	X	
IdParticipar	IDPARTICIPAR	Integer		
CI	CI	Integer	X	
NombreProy	NOMBREPROY	Variable characters (30)		
EstadoProy	ESTADOPROY	Variable characters (20)		
DescripcionProy	DESCRIPCIONPROY	Variable characters (100)		

4.1.11.6 Entity attribute NumProy of the entity Proyecto

4.1.11.6.1 Card of the entity attribute NumProy of the entity Proyecto

<i>Name</i>	NumProy
<i>Code</i>	NUMPROY
<i>Comment</i>	
<i>Data Type</i>	Integer
<i>Mandatory</i>	Yes
<i>Inherited From</i>	<None>

4.1.11.6.2 Check of the entity attribute NumProy of the entity Proyecto

<i>Minimum Value</i>	No
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	
<i>List Of Values</i>	

4.1.11.6.3 Server validation rule of the entity attribute NumProy of the entity Proyecto

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

4.1.11.6.4 List of all dependencies of the entity attribute NumProy

<i>Name</i>	<i>Code</i>	<i>Class Name</i>
Identifier_1	IDENTIFIER_1	Identifier

4.1.11.6.5 List of identifiers of the entity attribute NumProy

<i>Name</i>	<i>Code</i>	<i>Parent</i>	<i>Primary Identifier</i>
Identifier_1	IDENTIFIER_1	Entity 'Proyecto'	X

4.1.11.7 Entity attribute NumDepto of the entity Proyecto**4.1.11.7.1 Card of the entity attribute NumDepto of the entity Proyecto**

<i>Name</i>	NumDepto
<i>Code</i>	NUMDEPTO
<i>Comment</i>	
<i>Data Type</i>	Integer
<i>Mandatory</i>	Yes
<i>Inherited From</i>	<None>

4.1.11.7.2 Check of the entity attribute NumDepto of the entity Proyecto

<i>Minimum Value</i>	No
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	
<i>List Of Values</i>	

4.1.11.7.3 Server validation rule of the entity attribute NumDepto of the entity Proyecto

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

4.1.11.7.4 List of all dependencies of the entity attribute NumDepto

<i>Name</i>	<i>Code</i>	<i>Class Name</i>
?	?	Relationship Join

4.1.11.7.5 List of foreign relationship joins of the entity attribute NumDepto

<i>Parent Attribute</i>	<i>Child Attribute</i>
NumDepto	NumDepto

4.1.11.8 Entity attribute IdParticipar of the entity Proyecto**4.1.11.8.1 Card of the entity attribute IdParticipar of the entity Proyecto**

<i>Name</i>	IdParticipar
<i>Code</i>	IDPARTICIPAR
<i>Comment</i>	
<i>Data Type</i>	Integer
<i>Mandatory</i>	No
<i>Inherited From</i>	<None>

4.1.11.8.2 Check of the entity attribute IdParticipar of the entity Proyecto

<i>Minimum Value</i>	
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	No
<i>List Of Values</i>	

4.1.11.8.3 Server validation rule of the entity attribute IdParticipar of the entity Proyecto

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

4.1.11.8.4 List of all dependencies of the entity attribute IdParticipar

<i>Name</i>	<i>Code</i>	<i>Class Name</i>
?	?	Relationship Join

4.1.11.8.5 List of foreign relationship joins of the entity attribute IdParticipar

<i>Parent Attribute</i>	<i>Child Attribute</i>
IdParticipar	IdParticipar

4.1.11.9 Entity attribute CI of the entity Proyecto**4.1.11.9.1 Card of the entity attribute CI of the entity Proyecto**

<i>Name</i>	CI
<i>Code</i>	CI
<i>Comment</i>	
<i>Data Type</i>	Integer
<i>Mandatory</i>	Yes
<i>Inherited From</i>	<None>

4.1.11.9.2 Check of the entity attribute CI of the entity Proyecto

<i>Minimum Value</i>	No
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	
<i>List Of Values</i>	

4.1.11.9.3 Server validation rule of the entity attribute CI of the entity Proyecto

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

4.1.11.9.4 List of all dependencies of the entity attribute CI

<i>Name</i>	<i>Code</i>	<i>Class Name</i>
?	?	Relationship Join

4.1.11.9.5 List of foreign relationship joins of the entity attribute CI

<i>Parent Attribute</i>	<i>Child Attribute</i>
CI	CI

4.1.11.10 Entity attribute NombreProy of the entity Proyecto**4.1.11.10.1 Card of the entity attribute NombreProy of the entity Proyecto**

<i>Name</i>	NombreProy
<i>Code</i>	NOMBREPROY
<i>Comment</i>	
<i>Data Type</i>	Variable characters (30)
<i>Mandatory</i>	No
<i>Inherited From</i>	<None>

4.1.11.10.2 Check of the entity attribute NombreProy of the entity Proyecto

<i>Minimum Value</i>	No
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	
<i>List Of Values</i>	

4.1.11.10.3 Server validation rule of the entity attribute NombreProy of the entity Proyecto

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

4.1.11.11 Entity attribute EstadoProy of the entity Proyecto**4.1.11.11.1 Card of the entity attribute EstadoProy of the entity Proyecto**

<i>Name</i>	EstadoProy
<i>Code</i>	ESTADOPROY
<i>Comment</i>	
<i>Data Type</i>	Variable characters (20)

<i>Mandatory</i>	No
<i>Inherited From</i>	<None>

4.1.11.11.2 Check of the entity attribute EstadoProy of the entity Proyecto

<i>Minimum Value</i>	No
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	
<i>List Of Values</i>	

4.1.11.11.3 Server validation rule of the entity attribute EstadoProy of the entity Proyecto

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

4.1.11.12 Entity attribute DescripcionProy of the entity Proyecto**4.1.11.12.1 Card of the entity attribute DescripcionProy of the entity Proyecto**

<i>Name</i>	DescripcionProy
<i>Code</i>	DESCRIPCIONPROY
<i>Comment</i>	
<i>Data Type</i>	Variable characters (100)
<i>Mandatory</i>	No
<i>Inherited From</i>	<None>

4.1.11.12.2 Check of the entity attribute DescripcionProy of the entity Proyecto

<i>Minimum Value</i>	No
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	
<i>List Of Values</i>	

4.1.11.12.3 Server validation rule of the entity attribute DescripcionProy of the entity Proyecto

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

4.1.11.13 List of identifiers of the entity Proyecto

<i>Name</i>	<i>Code</i>	<i>Parent</i>	<i>Primary Identifier</i>
Identifier_1	IDENTIFIER_1	Entity 'Proyecto'	X

4.1.11.14 Identifier Identifier 1 of the entity Proyecto**4.1.11.14.1 Card of the identifier Identifier 1 of the entity Proyecto**

<i>Name</i>	Identifier_1
<i>Code</i>	IDENTIFIER_1
<i>Comment</i>	
<i>Primary Identifier</i>	Yes

4.1.11.14.2 List of attributes of the entity identifier Identifier 1

<i>Name</i>	<i>Code</i>	<i>Data Type</i>	<i>Mandatory</i>	<i>Inherited From</i>
NumProy	NUMPROY	Integer	X	

4.1.12 Entity Servicios**4.1.12.1 Card of entity Servicios**

<i>Name</i>	Servicios
<i>Code</i>	SERVICIOS
<i>Parent</i>	Logical Data Model 'SA_EMPRESA_LOGICO_GR05'
<i>Comment</i>	
<i>Generate</i>	Yes
<i>Number</i>	

4.1.12.2 List of all dependencies of the entity Servicios

<i>Name</i>	<i>Code</i>	<i>Class Name</i>
Adquirir	RELATIONSHIP_15	Relationship

4.1.12.3 List of relationships of the entity Servicios

<i>Name</i>	<i>Code</i>	<i>Generate</i>	<i>Entity 2</i>	<i>Entity 1</i>	<i>Dependent Role</i>	<i>Entity 1 -> Entity 2 Role Cardinality</i>	<i>Entity 2 -> Entity 1 Role Cardinality</i>
Adquirir	RELATIONSHIP_15	X	Servicios	Cliente		0,n	0,1

4.1.12.4 List of diagrams containing the entity Servicios

<i>Name</i>	<i>Code</i>
ECUSOFT	ECUSOFT

4.1.12.5 List of attributes of the entity Servicios

<i>Name</i>	<i>Code</i>	<i>Data Type</i>	<i>Mandatory</i>	<i>Inherited From</i>
IdServicios	IDSERVICIOS	Integer	X	
CI	CI	Integer		
NombreServ	NOMBRESERV	Variable characters (15)		
DescripcionServ	DESCRIPCIONSERV	Variable characters (100)		
PrecioServ	PRECIOSERV	Float		

4.1.12.6 Entity attribute IdServicios of the entity Servicios**4.1.12.6.1 Card of the entity attribute IdServicios of the entity Servicios**

<i>Name</i>	IdServicios
<i>Code</i>	IDSERVICIOS
<i>Comment</i>	
<i>Data Type</i>	Integer
<i>Mandatory</i>	Yes

<i>Inherited From</i>	<None>
-----------------------	--------

4.1.12.6.2 Check of the entity attribute IdServicios of the entity Servicios

<i>Minimum Value</i>	No
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	
<i>List Of Values</i>	

4.1.12.6.3 Server validation rule of the entity attribute IdServicios of the entity Servicios

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

4.1.12.6.4 List of all dependencies of the entity attribute IdServicios

<i>Name</i>	<i>Code</i>	<i>Class Name</i>
Identifier_1	IDENTIFIER_1	Identifier

4.1.12.6.5 List of identifiers of the entity attribute IdServicios

<i>Name</i>	<i>Code</i>	<i>Parent</i>	<i>Primary Identifier</i>
Identifier_1	IDENTIFIER_1	Entity 'Servicios'	X

4.1.12.7 Entity attribute CI of the entity Servicios**4.1.12.7.1 Card of the entity attribute CI of the entity Servicios**

<i>Name</i>	CI
<i>Code</i>	CI
<i>Comment</i>	
<i>Data Type</i>	Integer
<i>Mandatory</i>	No
<i>Inherited From</i>	<None>

4.1.12.7.2 Check of the entity attribute CI of the entity Servicios

<i>Minimum Value</i>	No
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	
<i>List Of Values</i>	

4.1.12.7.3 Server validation rule of the entity attribute CI of the entity Servicios

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

4.1.12.7.4 List of all dependencies of the entity attribute CI

<i>Name</i>	<i>Code</i>	<i>Class Name</i>
?	?	Relationship Join

4.1.12.7.5 List of foreign relationship joins of the entity attribute CI

<i>Parent Attribute</i>	<i>Child Attribute</i>
CI	CI

4.1.12.8 Entity attribute NombreServ of the entity Servicios**4.1.12.8.1 Card of the entity attribute NombreServ of the entity Servicios**

<i>Name</i>	NombreServ
<i>Code</i>	NOMBRESERV
<i>Comment</i>	
<i>Data Type</i>	Variable characters (15)
<i>Mandatory</i>	No
<i>Inherited From</i>	<None>

4.1.12.8.2 Check of the entity attribute NombreServ of the entity Servicios

<i>Minimum Value</i>	
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	No
<i>List Of Values</i>	

4.1.12.8.3 Server validation rule of the entity attribute NombreServ of the entity Servicios

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

4.1.12.9 Entity attribute DescripcionServ of the entity Servicios**4.1.12.9.1 Card of the entity attribute DescripcionServ of the entity Servicios**

<i>Name</i>	DescripcionServ
<i>Code</i>	DESCRIPCIONSERV
<i>Comment</i>	
<i>Data Type</i>	Variable characters (100)
<i>Mandatory</i>	No
<i>Inherited From</i>	<None>

4.1.12.9.2 Check of the entity attribute DescripcionServ of the entity Servicios

<i>Minimum Value</i>	
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	No
<i>List Of Values</i>	

4.1.12.9.3 Server validation rule of the entity attribute DescripcionServ of the entity Servicios

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

4.1.12.10 Entity attribute PrecioServ of the entity Servicios

4.1.12.10.1 Card of the entity attribute PrecioServ of the entity Servicios

<i>Name</i>	PrecioServ
<i>Code</i>	PRECIOSERV
<i>Comment</i>	
<i>Data Type</i>	Float
<i>Mandatory</i>	No
<i>Inherited From</i>	<None>

4.1.12.10.2 Check of the entity attribute PrecioServ of the entity Servicios

<i>Minimum Value</i>	
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	No
<i>List Of Values</i>	

4.1.12.10.3 Server validation rule of the entity attribute PrecioServ of the entity Servicios

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

4.1.12.11 List of identifiers of the entity Servicios

<i>Name</i>	<i>Code</i>	<i>Parent</i>	<i>Primary Identifier</i>
Identifier_1	IDENTIFIER_1	Entity 'Servicios'	X

4.1.12.12 Identifier Identifier 1 of the entity Servicios**4.1.12.12.1 Card of the identifier Identifier 1 of the entity Servicios**

<i>Name</i>	Identifier_1
<i>Code</i>	IDENTIFIER_1
<i>Comment</i>	
<i>Primary Identifier</i>	Yes

4.1.12.12.2 List of attributes of the entity identifier Identifier 1

<i>Name</i>	<i>Code</i>	<i>Data Type</i>	<i>Mandatory</i>	<i>Inherited From</i>
IdServicios	IDSERVICIOS	Integer	X	

4.1.13 Entity Usuario**4.1.13.1 Card of entity Usuario**

<i>Name</i>	Usuario
<i>Code</i>	USUARIO
<i>Parent</i>	Logical Data Model 'SA_EMPRESA_LOGICO_GR05'
<i>Comment</i>	
<i>Generate Number</i>	Yes

4.1.13.2 List of all dependencies of the entity Usuario

Name	Code	Class Name
Generar	RELATIONSHIP_13	Relationship
Obtener	RELATIONSHIP_10	Relationship
Obtener2	RELATIONSHIP_12	Relationship
Tener	RELATIONSHIP_11	Relationship

4.1.13.3 List of relationships of the entity Usuario

Name	Code	Generate	Entity 2	Entity 1	Dependent Role	Entity 1 -> Entity 2 Role Cardinality	Entity 2 -> Entity 1 Role Cardinality
Generar	RELATIONSHIP_13	X	Auditoria	Usuario		0,n	1,1
Obtener	RELATIONSHIP_10	X	Usuario	Empleado 2		0,1	1,1
Obtener2	RELATIONSHIP_12	X	Usuario	Empleado 2		0,1	1,1
Tener	RELATIONSHIP_11	X	Estado	Usuario		1,1	0,n

4.1.13.4 List of diagrams containing the entity Usuario

Name	Code
SEGURIDAD	SEGURIDAD

4.1.13.5 List of attributes of the entity Usuario

Name	Code	Data Type	Mandatory	Inherited From
NombreUsuario	NOMBREUSUARIO	Variable characters (15)	X	
CURP	CURP2	Integer	X	
IdEstado	IDESTADO	Characters (1)	X	
Password	PASSWORD	Variable characters (15)		
FechaCrea	FECHACREA	Date		
FechaModi	FECHAMODI	Date		

4.1.13.6 Entity attribute NombreUsuario of the entity Usuario**4.1.13.6.1 Card of the entity attribute NombreUsuario of the entity Usuario**

Name	NombreUsuario
Code	NOMBREUSUARIO
Comment	
Data Type	Variable characters (15)
Mandatory	Yes
Inherited From	<None>

<i>Minimum Value</i> <i>Maximum Value</i> <i>Default Value</i> <i>Unit</i> <i>Format</i> <i>Cannot Modify</i> <i>List Of Values</i>	No
-------------------------------------------------------------------------------------------------------------------------------------------------------	----

4.1.13.6.3 Server validation rule of the entity attribute NombreUsuario of the entity Usuario

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

4.1.13.6.4 List of all dependencies of the entity attribute NombreUsuario

<i>Name</i>	<i>Code</i>	<i>Class Name</i>
Identifier_1	IDENTIFIER_1	Identifier
?	?	Relationship Join
?	?	Relationship Join

4.1.13.6.5 List of primary relationship joins of the entity attribute NombreUsuario

<i>Parent Attribute</i>	<i>Child Attribute</i>
NombreUsuario	NombreUsuario
NombreUsuario	NombreUsuario

4.1.13.6.6 List of identifiers of the entity attribute NombreUsuario

<i>Name</i>	<i>Code</i>	<i>Parent</i>	<i>Primary Identifier</i>
Identifier_1	IDENTIFIER_1	Entity 'Usuario'	X

4.1.13.7 Entity attribute CURP of the entity Usuario

4.1.13.7.1 Card of the entity attribute CURP of the entity Usuario

<i>Name</i>	CURP
<i>Code</i>	CURP2
<i>Comment</i>	
<i>Data Type</i>	Integer
<i>Mandatory</i>	Yes
<i>Inherited From</i>	<None>

4.1.13.7.2 Check of the entity attribute CURP of the entity Usuario

<i>Minimum Value</i> <i>Maximum Value</i> <i>Default Value</i> <i>Unit</i> <i>Format</i> <i>Cannot Modify</i> <i>List Of Values</i>	No
-------------------------------------------------------------------------------------------------------------------------------------------------------	----

4.1.13.7.3 Server validation rule of the entity attribute CURP of the entity Usuario

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

4.1.13.7.4 List of all dependencies of the entity attribute CURP

<i>Name</i>	<i>Code</i>	<i>Class Name</i>
?	?	Relationship Join

4.1.13.7.5 List of foreign relationship joins of the entity attribute CURP

<i>Parent Attribute</i>	<i>Child Attribute</i>
CURP	CURP

4.1.13.8 Entity attribute IdEstado of the entity Usuario**4.1.13.8.1 Card of the entity attribute IdEstado of the entity Usuario**

<i>Name</i>	IdEstado
<i>Code</i>	IDESTADO
<i>Comment</i>	
<i>Data Type</i>	Characters (1)
<i>Mandatory</i>	Yes
<i>Inherited From</i>	<None>

4.1.13.8.2 Check of the entity attribute IdEstado of the entity Usuario

<i>Minimum Value</i>	
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	No
<i>List Of Values</i>	

4.1.13.8.3 Server validation rule of the entity attribute IdEstado of the entity Usuario

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

4.1.13.8.4 List of all dependencies of the entity attribute IdEstado

<i>Name</i>	<i>Code</i>	<i>Class Name</i>
?	?	Relationship Join

4.1.13.8.5 List of foreign relationship joins of the entity attribute IdEstado

<i>Parent Attribute</i>	<i>Child Attribute</i>
IdEstado	IdEstado

4.1.13.9 Entity attribute Password of the entity Usuario**4.1.13.9.1 Card of the entity attribute Password of the entity Usuario**

<i>Name</i>	Password
<i>Code</i>	PASSWORD
<i>Comment</i>	
<i>Data Type</i>	Variable characters (15)
<i>Mandatory</i>	No
<i>Inherited From</i>	<None>

<i>Minimum Value</i>	No
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	
<i>List Of Values</i>	

4.1.13.9.3 Server validation rule of the entity attribute Password of the entity Usuario

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

4.1.13.10 Entity attribute FechaCrea of the entity Usuario

4.1.13.10.1 Card of the entity attribute FechaCrea of the entity Usuario

<i>Name</i>	FechaCrea
<i>Code</i>	FECHACREA
<i>Comment</i>	
<i>Data Type</i>	Date
<i>Mandatory</i>	No
<i>Inherited From</i>	<None>

4.1.13.10.2 Check of the entity attribute FechaCrea of the entity Usuario

<i>Minimum Value</i>	No
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	
<i>List Of Values</i>	

4.1.13.10.3 Server validation rule of the entity attribute FechaCrea of the entity Usuario

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

4.1.13.11 Entity attribute FechaModi of the entity Usuario

4.1.13.11.1 Card of the entity attribute FechaModi of the entity Usuario

<i>Name</i>	FechaModi
<i>Code</i>	FECHAMODI
<i>Comment</i>	
<i>Data Type</i>	Date
<i>Mandatory</i>	No
<i>Inherited From</i>	<None>

4.1.13.11.2 Check of the entity attribute FechaModi of the entity Usuario

<i>Minimum Value</i>	No
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	
<i>List Of Values</i>	

List Of Values	
----------------	--

4.1.13.11.3 Server validation rule of the entity attribute FechaModi of the entity Usuario

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

4.1.13.12 List of identifiers of the entity Usuario

Name	Code	Parent	Primary Identifier
Identifier_1	IDENTIFIER_1	Entity 'Usuario'	X

4.1.13.13 Identifier Identifier_1 of the entity Usuario

4.1.13.13.1 Card of the identifier Identifier_1 of the entity Usuario

Name	Identifier_1
Code	IDENTIFIER_1
Comment	
Primary Identifier	Yes

4.1.13.13.2 List of attributes of the entity identifier Identifier_1

Name	Code	Data Type	Mandatory	Inherited From
NombreUsuario	NOMBREUSUARIO	Variable characters (15)	X	

4.1.13.13.3 List of all dependencies of the entity identifier Identifier_1

Name	Code	Class Name
Generar	RELATIONSHIP_13	Relationship
Obtener	RELATIONSHIP_10	Relationship

4.1.13.13.4 List of relationships of the entity identifier Identifier_1

Name	Code	Parent	Generate	Entity 2	Entity 1	Dependent Role	Entity 1 -> Entity 2 Role Cardinality	Entity 2 -> Entity 1 Role Cardinality
Generar	RELATIONSHIP_13	Logical Data Model 'SA_EMPRESA_LOGICO_GR05'	X	Auditoria	Usuario		0,n	1,1
Obtener	RELATIONSHIP_10	Logical Data Model 'SA_EMPRESA_LOGICO_GR05'	X	Usuario	Empleado2		0,1	1,1

5 Relationships**5.1 Model level****5.1.1 Relationship Adquirir****5.1.1.1 Card of relationship Adquirir**

<i>Name</i>	Adquirir
<i>Code</i>	RELATIONSHIP_15
<i>Parent</i>	Logical Data Model 'SA_EMPRESA_LOGICO_GR05'
<i>Comment</i>	
<i>Generate</i>	Yes
<i>Entity 1</i>	Cliente
<i>Entity 2</i>	Servicios
<i>Dependent Role</i>	<None>
<i>Entity 1 -> Entity 2 Role Cardinality</i>	0,n
<i>Entity 2 -> Entity 1 Role Cardinality</i>	0,1

5.1.1.2 List of diagrams containing the relationship Adquirir

<i>Name</i>	<i>Code</i>
ECUSOFT	ECUSOFT

5.1.1.3 List of relationship joins of the relationship Adquirir

<i>Parent Attribute</i>	<i>Child Attribute</i>
CI	CI

5.1.1.4 Relationship join CI = CI of the relationship Adquirir**5.1.1.4.1 Card of the relationship join CI = CI of the relationship Adquirir**

<i>Child Attribute</i>	CI
<i>Parent Attribute</i>	CI

5.1.2 Relationship Adquirir2**5.1.2.1 Card of relationship Adquirir2**

<i>Name</i>	Adquirir2
<i>Code</i>	RELATIONSHIP_14
<i>Parent</i>	Logical Data Model 'SA_EMPRESA_LOGICO_GR05'
<i>Comment</i>	
<i>Generate</i>	Yes
<i>Entity 1</i>	Cliente
<i>Entity 2</i>	Productos
<i>Dependent Role</i>	<None>
<i>Entity 1 -> Entity 2 Role Cardinality</i>	0,n
<i>Entity 2 -> Entity 1 Role Cardinality</i>	0,1

<i>Name</i>	<i>Code</i>
ECUSOFT	ECUSOFT

5.1.2.3 List of relationship joins of the relationship Adquirir2

<i>Parent Attribute</i>	<i>Child Attribute</i>
CI	CI

5.1.2.4 Relationship join CI = CI of the relationship Adquirir2**5.1.2.4.1 Card of the relationship join CI = CI of the relationship Adquirir2**

<i>Child Attribute</i>	CI
<i>Parent Attribute</i>	CI

5.1.3 Relationship Asignar**5.1.3.1 Card of relationship Asignar**

<i>Name</i>	Asignar
<i>Code</i>	ASIGNAR
<i>Parent</i>	Logical Data Model 'SA_EMPRESA_LOGICO_GR05'
<i>Comment</i>	
<i>Generate</i>	Yes
<i>Entity 1</i>	Empleado
<i>Entity 2</i>	Departamento
<i>Dependent Role</i>	<None>
<i>Entity 1 -> Entity 2 Role</i>	1,1
<i>Cardinality</i>	
<i>Entity 2 -> Entity 1 Role</i>	0,n
<i>Cardinality</i>	

5.1.3.2 List of diagrams containing the relationship Asignar

<i>Name</i>	<i>Code</i>
ECUSOFT	ECUSOFT

5.1.3.3 List of relationship joins of the relationship Asignar

<i>Parent Attribute</i>	<i>Child Attribute</i>
NumDepto	NumDepto

5.1.3.4 Relationship join NumDepto = NumDepto of the relationship Asignar**5.1.3.4.1 Card of the relationship join NumDepto = NumDepto of the relationship Asignar**

<i>Child Attribute</i>	NumDepto
<i>Parent Attribute</i>	NumDepto

5.1.4 Relationship Controlar**5.1.4.1 Card of relationship Controlar**

<i>Name</i>	Controlar
<i>Code</i>	CONTROLAR
<i>Parent</i>	Logical Data Model 'SA_EMPRESA_LOGICO_GR05'
<i>Comment</i>	
<i>Generate</i>	Yes

<i>Entity 1</i>	Departamento
<i>Entity 2</i>	Proyecto
<i>Dependent Role</i>	<None>
<i>Entity 1 -> Entity 2 Role Cardinality</i>	0,n
<i>Entity 2 -> Entity 1 Role Cardinality</i>	1,1

5.1.4.2 List of diagrams containing the relationship Controlar

<i>Name</i>	<i>Code</i>
ECUSOFT	ECUSOFT

5.1.4.3 List of relationship joins of the relationship Controlar

<i>Parent Attribute</i>	<i>Child Attribute</i>
NumDepto	NumDepto

5.1.4.4 Relationship join NumDepto = NumDepto of the relationship Controlar**5.1.4.4.1 Card of the relationship join NumDepto = NumDepto of the relationship Controlar**

<i>Child Attribute</i>	NumDepto
<i>Parent Attribute</i>	NumDepto

5.1.5 Relationship Dirigir**5.1.5.1 Card of relationship Dirigir**

<i>Name</i>	Dirigir
<i>Code</i>	RELATIONSHIP_16
<i>Parent</i>	Logical Data Model 'SA_EMPRESA_LOGICO_GR05'
<i>Comment</i>	
<i>Generate</i>	Yes
<i>Entity 1</i>	Encargado
<i>Entity 2</i>	Departamento
<i>Dependent Role</i>	<None>
<i>Entity 1 -> Entity 2 Role Cardinality</i>	1,1
<i>Entity 2 -> Entity 1 Role Cardinality</i>	0,1

5.1.5.2 List of diagrams containing the relationship Dirigir

<i>Name</i>	<i>Code</i>
ECUSOFT	ECUSOFT

5.1.5.3 List of relationship joins of the relationship Dirigir

<i>Parent Attribute</i>	<i>Child Attribute</i>
NumDepto	NumDepto

5.1.5.4 Relationship join NumDepto = NumDepto of the relationship Dirigir**5.1.5.4.1 Card of the relationship join NumDepto = NumDepto of the relationship Dirigir**

<i>Child Attribute</i>	NumDepto
<i>Parent Attribute</i>	NumDepto

5.1.6 Relationship Dirigir2**5.1.6.1 Card of relationship Dirigir2**

<i>Name</i>	Dirigir2
<i>Code</i>	RELATIONSHIP_18
<i>Parent</i>	Logical Data Model 'SA_EMPRESA_LOGICO_GR05'
<i>Comment</i>	
<i>Generate</i>	Yes
<i>Entity 1</i>	Encargado
<i>Entity 2</i>	Departamento
<i>Dependent Role</i>	<None>
<i>Entity 1 -> Entity 2 Role Cardinality</i>	1,1
<i>Entity 2 -> Entity 1 Role Cardinality</i>	0,1

5.1.6.2 List of diagrams containing the relationship Dirigir2

<i>Name</i>	<i>Code</i>
ECUSOFT	ECUSOFT

5.1.6.3 List of relationship joins of the relationship Dirigir2

<i>Parent Attribute</i>	<i>Child Attribute</i>
CURP	CURP

5.1.6.4 Relationship join CURP = CURP of the relationship Dirigir2**5.1.6.4.1 Card of the relationship join CURP = CURP of the relationship Dirigir2**

<i>Child Attribute</i>	CURP
<i>Parent Attribute</i>	CURP

5.1.7 Relationship Generar**5.1.7.1 Card of relationship Generar**

<i>Name</i>	Generar
<i>Code</i>	RELATIONSHIP_13
<i>Parent</i>	Logical Data Model 'SA_EMPRESA_LOGICO_GR05'
<i>Comment</i>	
<i>Generate</i>	Yes
<i>Entity 1</i>	Usuario
<i>Entity 2</i>	Auditoria
<i>Dependent Role</i>	<None>
<i>Entity 1 -> Entity 2 Role Cardinality</i>	0,n
<i>Entity 2 -> Entity 1 Role Cardinality</i>	1,1

5.1.7.2 List of diagrams containing the relationship Generar

<i>Name</i>	<i>Code</i>
SEGURIDAD	SEGURIDAD

<i>Parent Attribute</i>	<i>Child Attribute</i>
NombreUsuario	NombreUsuario

5.1.7.4 Relationship join NombreUsuario = NombreUsuario of the relationship Generar

5.1.7.4.1 Card of the relationship join NombreUsuario = NombreUsuario of the relationship Generar

<i>Child Attribute</i>	NombreUsuario
<i>Parent Attribute</i>	NombreUsuario

5.1.8 Relationship Obtener

5.1.8.1 Card of relationship Obtener

<i>Name</i>	Obtener
<i>Code</i>	RELATIONSHIP_10
<i>Parent</i>	Logical Data Model 'SA_EMPRESA_LOGICO_GR05'
<i>Comment</i>	
<i>Generate</i>	Yes
<i>Entity 1</i>	Empleado2
<i>Entity 2</i>	Usuario
<i>Dependent Role</i>	<None>
<i>Entity 1 -> Entity 2 Role Cardinality</i>	0,1
<i>Entity 2 -> Entity 1 Role Cardinality</i>	1,1

5.1.8.2 List of diagrams containing the relationship Obtener

<i>Name</i>	<i>Code</i>
SEGURIDAD	SEGURIDAD

5.1.8.3 List of relationship joins of the relationship Obtener

<i>Parent Attribute</i>	<i>Child Attribute</i>
NombreUsuario	NombreUsuario

5.1.8.4 Relationship join NombreUsuario = NombreUsuario of the relationship Obtener

5.1.8.4.1 Card of the relationship join NombreUsuario = NombreUsuario of the relationship Obtener

<i>Child Attribute</i>	NombreUsuario
<i>Parent Attribute</i>	NombreUsuario

5.1.9 Relationship Obtener2

5.1.9.1 Card of relationship Obtener2

<i>Name</i>	Obtener2
<i>Code</i>	RELATIONSHIP_12
<i>Parent</i>	Logical Data Model 'SA_EMPRESA_LOGICO_GR05'
<i>Comment</i>	
<i>Generate</i>	Yes
<i>Entity 1</i>	Empleado2
<i>Entity 2</i>	Usuario
<i>Dependent Role</i>	<None>

Entity 1 -> Entity 2 Role Cardinality	0,1
Entity 2 -> Entity 1 Role Cardinality	1,1

5.1.9.2 List of diagrams containing the relationship Obtener2

Name	Code
SEGURIDAD	SEGURIDAD

5.1.9.3 List of relationship joins of the relationship Obtener2

Parent Attribute	Child Attribute
CURP	CURP

5.1.9.4 Relationship join CURP = CURP of the relationship Obtener2**5.1.9.4.1 Card of the relationship join CURP = CURP of the relationship Obtener2**

Child Attribute	CURP
Parent Attribute	CURP

5.1.10 Relationship Participador**5.1.10.1 Card of relationship Participador**

Name	Participador
Code	RELATIONSHIP_8
Parent	Logical Data Model 'SA_EMPRESA_LOGICO_GR05'
Comment	
Generate	Yes
Entity 1	Empleado
Entity 2	Participar
Dependent Role	<None>
Entity 1 -> Entity 2 Role Cardinality	0,1
Entity 2 -> Entity 1 Role Cardinality	1,1

5.1.10.2 List of diagrams containing the relationship Participador

Name	Code
ECUSOFT	ECUSOFT

5.1.10.3 List of relationship joins of the relationship Participador

Parent Attribute	Child Attribute
IdParticipar	IdParticipar

5.1.10.4 Relationship join IdParticipar = IdParticipar of the relationship Participador**5.1.10.4.1 Card of the relationship join IdParticipar = IdParticipar of the relationship Participador**

Child Attribute	IdParticipar
Parent Attribute	IdParticipar

5.1.11 Relationship Participador2

<i>Name</i>	Participador2
<i>Code</i>	RELATIONSHIP_17
<i>Parent</i>	Logical Data Model 'SA_EMPRESA_LOGICO_GR05'
<i>Comment</i>	
<i>Generate</i>	Yes
<i>Entity 1</i>	Empleado
<i>Entity 2</i>	Participar
<i>Dependent Role</i>	<None>
<i>Entity 1 -> Entity 2 Role Cardinality</i>	0,1
<i>Entity 2 -> Entity 1 Role Cardinality</i>	1,1

5.1.11.2 List of diagrams containing the relationship Participador2

<i>Name</i>	<i>Code</i>
ECUSOFT	ECUSOFT

5.1.11.3 List of relationship joins of the relationship Participador2

<i>Parent Attribute</i>	<i>Child Attribute</i>
CURP	CURP

5.1.11.4 Relationship join CURP = CURP of the relationship Participador2

5.1.11.4.1 Card of the relationship join CURP = CURP of the relationship Participador2

<i>Child Attribute</i>	CURP
<i>Parent Attribute</i>	CURP

5.1.12 Relationship Participan

5.1.12.1 Card of relationship Participan

<i>Name</i>	Participan
<i>Code</i>	PARTICIPAN
<i>Parent</i>	Logical Data Model 'SA_EMPRESA_LOGICO_GR05'
<i>Comment</i>	
<i>Generate</i>	Yes
<i>Entity 1</i>	Participar
<i>Entity 2</i>	Proyecto
<i>Dependent Role</i>	<None>
<i>Entity 1 -> Entity 2 Role Cardinality</i>	1,n
<i>Entity 2 -> Entity 1 Role Cardinality</i>	0,1

5.1.12.2 List of diagrams containing the relationship Participan

<i>Name</i>	<i>Code</i>
ECUSOFT	ECUSOFT

5.1.12.3 List of relationship joins of the relationship Participan

<i>Parent Attribute</i>	<i>Child Attribute</i>
IdParticipar	IdParticipar

5.1.12.4 Relationship join IdParticipar = IdParticipar of the relationship Participan**5.1.12.4.1 Card of the relationship join IdParticipar = IdParticipar of the relationship Participan**

<i>Child Attribute</i>	IdParticipar
<i>Parent Attribute</i>	IdParticipar

5.1.13 Relationship Solicitar**5.1.13.1 Card of relationship Solicitar**

<i>Name</i>	Solicitar
<i>Code</i>	SOLICITAR
<i>Parent</i>	Logical Data Model 'SA_EMPRESA_LOGICO_GR05'
<i>Comment</i>	
<i>Generate</i>	Yes
<i>Entity 1</i>	Cliente
<i>Entity 2</i>	Proyecto
<i>Dependent Role</i>	<None>
<i>Entity 1 -> Entity 2 Role Cardinality</i>	0,n
<i>Entity 2 -> Entity 1 Role Cardinality</i>	1,1

5.1.13.2 List of diagrams containing the relationship Solicitar

<i>Name</i>	<i>Code</i>
ECUSOFT	ECUSOFT

5.1.13.3 List of relationship joins of the relationship Solicitar

<i>Parent Attribute</i>	<i>Child Attribute</i>
CI	CI

5.1.13.4 Relationship join CI = CI of the relationship Solicitar**5.1.13.4.1 Card of the relationship join CI = CI of the relationship Solicitar**

<i>Child Attribute</i>	CI
<i>Parent Attribute</i>	CI

5.1.14 Relationship Supervisor**5.1.14.1 Card of relationship Supervisor**

<i>Name</i>	Supervisor
<i>Code</i>	RELATIONSHIP_9
<i>Parent</i>	Logical Data Model 'SA_EMPRESA_LOGICO_GR05'
<i>Comment</i>	
<i>Generate</i>	Yes
<i>Entity 1</i>	Empleado
<i>Entity 2</i>	Empleado
<i>Dependent Role</i>	<None>
<i>Entity 1 -> Entity 2 Role Cardinality</i>	0,n
<i>Entity 2 -> Entity 1 Role Cardinality</i>	0,1

5.1.14.2 List of diagrams containing the relationship Supervisor

<i>Name</i>	<i>Code</i>
ECUSOFT	ECUSOFT

5.1.14.3 List of relationship joins of the relationship Supervisor

<i>Parent Attribute</i>	<i>Child Attribute</i>
CURP	Emp_CURP

5.1.14.4 Relationship join CURP = Emp_CURP of the relationship Supervisor**5.1.14.4.1 Card of the relationship join CURP = Emp_CURP of the relationship Supervisor**

<i>Child Attribute</i>	Emp_CURP
<i>Parent Attribute</i>	CURP

5.1.15 Relationship Tener**5.1.15.1 Card of relationship Tener**

<i>Name</i>	Tener
<i>Code</i>	TENER
<i>Parent</i>	Logical Data Model 'SA_EMPRESA_LOGICO_GR05'
<i>Comment</i>	
<i>Generate</i>	Yes
<i>Entity 1</i>	Empleado
<i>Entity 2</i>	Familiar
<i>Dependent Role</i>	Familiar -> Empleado
<i>Entity 1 -> Entity 2 Role</i>	0,n
<i>Cardinality</i>	
<i>Entity 2 -> Entity 1 Role</i>	1,1
<i>Cardinality</i>	

5.1.15.2 List of diagrams containing the relationship Tener

<i>Name</i>	<i>Code</i>
ECUSOFT	ECUSOFT

5.1.15.3 List of relationship joins of the relationship Tener

<i>Parent Attribute</i>	<i>Child Attribute</i>
CURP	CURP

5.1.15.4 Relationship join CURP = CURP of the relationship Tener**5.1.15.4.1 Card of the relationship join CURP = CURP of the relationship Tener**

<i>Child Attribute</i>	CURP
<i>Parent Attribute</i>	CURP

5.1.16 Relationship Tener**5.1.16.1 Card of relationship Tener**

<i>Name</i>	Tener
<i>Code</i>	RELATIONSHIP_11
<i>Parent</i>	Logical Data Model 'SA_EMPRESA_LOGICO_GR05'

<i>Comment</i>	
<i>Generate</i>	Yes
<i>Entity 1</i>	Usuario
<i>Entity 2</i>	Estado
<i>Dependent Role</i>	<None>
<i>Entity 1 -> Entity 2 Role</i>	1,1
<i>Cardinality</i>	
<i>Entity 2 -> Entity 1 Role</i>	0,n
<i>Cardinality</i>	

5.1.16.2 List of diagrams containing the relationship Tener

<i>Name</i>	<i>Code</i>
SEGURIDAD	SEGURIDAD

5.1.16.3 List of relationship joins of the relationship Tener

<i>Parent Attribute</i>	<i>Child Attribute</i>
IdEstado	IdEstado

5.1.16.4 Relationship join IdEstado = IdEstado of the relationship Tener**5.1.16.4.1 Card of the relationship join IdEstado = IdEstado of the relationship Tener**

<i>Child Attribute</i>	IdEstado
<i>Parent Attribute</i>	IdEstado

