SISTRA release: Registration module

Code: DSI-LIBSISTRA-REGISTRATION

DOCUMENT CONTROL SHEET

DOCUMENT / FILE

Title: SISTRA release: Registration module	File Name / s:**SISTRA-PLUGINREGISTRO.doc**
Code: **DSI-LIBSISTRA-REGISTRATION**	Software: **Word**
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Version**3**	

RECORD OF CHANGES

Version	Pages	Reason for change
1	23	Document creation
1	23	Functionalities review
1	20	Adjust City Council requests
2	21	Compensation logic for non-transactional connection to organization registry Delegated processing Correcting process
3	22	Add function to get registry stamp description Properties added to own data for customizing PDF of standard proof
4	23	External notification document XSD is specified (GE0013NOTIFEXT)

DISTRIBUTION OF DOCUMENT

Name	Staff

DOCUMENT CONTROL

PREPARATION	REVISED / APPROVED	ACCEPTED	ACCEPTED
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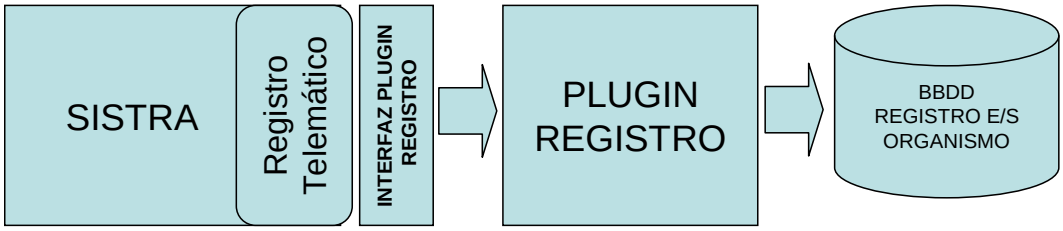
1. Goal

The purpose of this document is to define actions to perform in order to achieve that SISTRA platform can interact with registry from each organization.

2. Subclass

The scheme works as follows:



The telematic registry layer implemented in SISTRA will invoke I/O organization registry through registry plug-in interface to perform registry notes over DB implemented by I/O organization registry.

3. Plug-in interface

Communication interface between SISTRA and registry plug-in is as follows:

Method	Description	Parameters	Result
registroEntrada	It performs registry note in input registry	AsientoRegistral: handler allowing to query xml data from registration note (see attached Telematic Registry Entry Format annex). RDS entry reference: entry reference in RDS (for accessing to its content, if wanted). Annexes reference: map with RDS references of annexes (for accessing to its content, if wanted).	ResultadoRegistro: It indicates the result of registering a note: registry number and date.
registroSalida	It performs registry note in output registry	AsientoRegistral: handler allowing to query xml data from registration note (see attached Telematic Registry Entry Format annex). RDS entry reference: entry reference in RDS (for accessing to its content, if wanted). Annexes reference: map with RDS references of annexes (for accessing to its content, if wanted).	ResultadoRegistro: It indicates the result of registering a note: registry number and date.
confirmarPreregistro	It indicates that a prerecord was confirmed. It must perform an entry registry note indicating that prerecord was confirmed. This method will be called from prerecord confirmation web module accessed by face-to-face registry points.	Office: Registry office where prerecord was confirmed CodigoProvincia: Citizen province code (not required) CodigoMunicipio: Citizen town code (not required) DescripcionMunicipio: Town description (not required) AsientoPreregistro: Registry note from prerecord. Referencia RDS Asiento: RDS reference of prerecord registry note (for accessing to its content, if wanted) Referencia anexos: map with RDS references of annexes (for accessing to its content, if wanted).	ResultadoRegistro: It indicates the result of registering a note: registry number and date.
anularRegistroEntrada	It allows canceling an entry record. Implementation of this method is optional depending on whether registry connection is transactional or not (see section 4.1)	Número registro: registration number Fecha registro: registration date	
anularRegistroSalida	It allows canceling an output record. Implementation of this method is optional depending on whether registry connection is transactional or not (see section 4.1)	Número registro: registration number Fecha registro: registration date	

In addition to registry update operations, next query operations must be implemented too:

Method	Description	Parameters	Result
obtenerOficinasRegistro	It obtains registry office list	No	Registry office list
obtenerOficinasRegistroUsuario	It obtains registry office list for which registry user has permissions to create registry notes	Usuario: User ID	Registry office list
obtenerTiposAsunto	It gets subject types	No	Subject types list
obtenerServiciosDestino	It get recipient service list	No	Recipient service list
obtenerDescripcionSelloOficina	It obtains office description about stamp printing in preregistry	Office Code	Office description about stamp printing

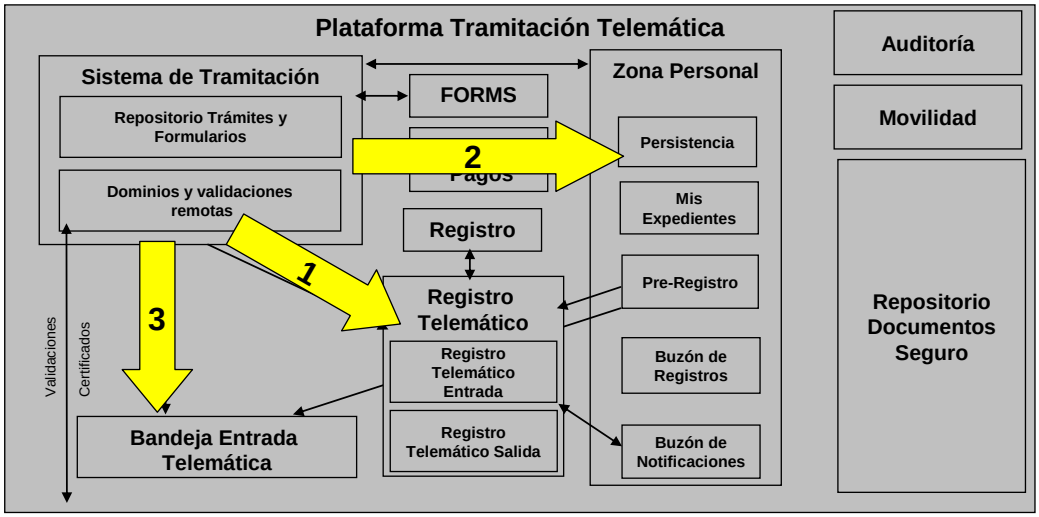
For more information consult javadoc.

4. Registry plug-in implementation

Below there are implementation details to be considered in registry plug-in.

4.1. Transactionality

Registry plug-in will be invoked as part of an operational flow. For instance, processing registry procedure includes: processing telematic registration, user personal area update and telematic box update.



This flow of operations should be transactional. To ensure it, registry plug-in should perform update operations directly against DB from I/O organization registry (preferably through a XA datasource). This operation mode would ensure global transaction compliance specially if an odd error occurs during global operation rollback.

If registry plug-in cannot meet this restriction and, for instance, it's called through a webservice, then transaction compliance cannot be assured. So, if an error occurs in Sistra after performing a registry note through registry plug-in, rollback over Sistra operations couldn't undo previous registry note as rollback didn't concern it.

To solve these situations, Sistra implements compensation logic when connection to registry is not transactional. So if an error occurs after registry note update, record will be cancelled automatically through aforementioned logic.

5. ANNEX I. Format XMLs

This annex includes DTDs from possible XML documents generated by telematic input or output registry.

From registry plug-in point of view it's important to note that plug-in will receive references from these documents It isn't its function to generate them but it will receive them as a parameter (its RDS references).

A class is provided allowing to access to registry note data from registry plug-in functions related with registry notes. However, if interest exists in accessing to document content, references in RDS are provided for registry note as well for annexes.

Possible XMLs documents we can find are:

- registration note: contains data from a registry note (based on SICRES v2)
- processing own data: for a telematic input record it's an annex to registry note providing data from performed process
- notification warning: for a telematic output record it's an annex to registry note providing data about warning for the citizen after receiving telematic notification.
- reference notice: for a telematic output record it's an annex to registry note providing data about information to give to the citizen once telematic notification was delivered.
- note extension: document defined by organization to include customized data to the note. Document format will be specified by organization.

NOTE: Where "user seycon" is specified it's equivalent to user code reference according to user management system from each organization. This nomenclature is maintained for compatibility with previous notes generated in CAIB.

5.1. Registry note format

Below, registry note format is detailed for telematic registry. This format is valid for input and output telematic registry.

5.1.1. Registry note DTD

```
<? Xml version = "1.0" encoding = "UTF-8"?>
<! ELEMENT ASIENTO_REGISTRAL (
    DATOS_ORIGEN,
    DATOS_DESTINO ?,
    DATOS_INTERESADO +,
    DATOS_ASUNTO,
    DATOS_ANEXO_DOCUMENTACION +)>
    <! ATTLIST ASIENTO_REGISTRAL   version CDATA #REQUIRED>
    <! ELEMENT DATOS_ORIGEN (
        CODIGO_ENTIDAD_REGISTRAL_ORIGEN,
        NUMERO_REGISTRO,
        FECHA_ENTRADA_REGISTRO,
        Record_type)>
        <! ELEMENT CODIGO_ENTIDAD_REGISTRAL_ORIGEN (#PCDATA)>
        <! ELEMENT NUMERO_REGISTRO (#PCDATA)>
        <! ELEMENT FECHA_ENTRADA_REGISTRO (#PCDATA)>
        <! ELEMENT record_type (#PCDATA)>
    <! ELEMENT DATOS_DESTINO (
        CODIGO_ENTIDAD_REGISTRAL_DESTINO,
        DECODIFICACION_ENTIDAD_REGISTRAL_DESTINO?)>
        <! ELEMENT CODIGO_ENTIDAD_REGISTRAL_DESTINO (#PCDATA)>
```

```
        <! ELEMENT DECODIFICACION_ENTIDAD_REGISTRAL_DESTINO (#PCDATA)>
    <! ELEMENT DATOS_INTERESADO (
        TIPO_INTERESADO,
        NIVEL_AUTENTICACION ?,
        USUARIO_SEYCON ?,
        TIPO_IDENTIFICACION ?,
        IdentificationNumber ?,
        FORMATO_DATOS_INTERESADO,
        IDENTIFICACION_INTERESADO,
        PROCEDENCIA_GEOGRAFICA,
        DIRECCION_CODIFICADA?)>
        <! ELEMENT TIPO_INTERESADO (#PCDATA)>
        <! ELEMENT NIVEL_AUTENTICACION (#PCDATA)>
        <! ELEMENT USUARIO_SEYCON (#PCDATA)>
        <! ELEMENT TIPO_IDENTIFICACION (#PCDATA)>
        <! ELEMENT IdentificationNumber (#PCDATA)>
        <! ELEMENT FORMATO_DATOS_INTERESADO (#PCDATA)>
        <! ELEMENT IDENTIFICACION_INTERESADO (#PCDATA)>
        <! ELEMENT PROCEDENCIA_GEOGRAFICA (#PCDATA)>
        <! ELEMENT DIRECCION_CODIFICADA (
          CODIGO_PROVINCIA ?,
          NOMBRE_PROVINCIA ?,
          CODIGO_MUNICIPIO ?,
          NOMBRE_MUNICIPIO ?,
          CODIGO_POBLACION ?,
          NOMBRE_POBLACION ?,
          HOME ?,
          ZIP CODE ?,
          TELEPHONE FAX ?, ?,
          PAIS_ORIGEN?)>
          <! ELEMENT CODIGO_PROVINCIA (#PCDATA)>
          <! ELEMENT NOMBRE_PROVINCIA (#PCDATA)>
          <! ELEMENT CODIGO_MUNICIPIO (#PCDATA)>
          <! ELEMENT NOMBRE_MUNICIPIO (#PCDATA)>
          <! ELEMENT CODIGO_POBLACION (#PCDATA)>
          <! ELEMENT NOMBRE_POBLACION (#PCDATA)>
          <! ELEMENT ADDRESS (#PCDATA)>
          <! ELEMENT zip_code (#PCDATA)>
          <! ELEMENT PHONE (#PCDATA)>
          <! ELEMENT FAX (#PCDATA)>
          <! ELEMENT PAIS_ORIGEN (#PCDATA)>
    <! ELEMENT DATOS_ASUNTO (
        FECHA_ASUNTO ?,
        IDIOMA_ASUNTO,
        TIPO_ASUNTO,
        EXTRACTO_ASUNTO,
        CODIGO_ORGANO_DESTINO,
        CODIGO_UNIDAD_ADMINISTRATIVA,
        IDENTIFICADOR_TRAMITE?)>
        <! ELEMENT IDIOMA_ASUNTO (#PCDATA)>
        <! ELEMENT TIPO_ASUNTO (#PCDATA)>
        <! ELEMENT EXTRACTO_ASUNTO (#PCDATA)>
        <! ELEMENT CODIGO_ORGANO_DESTINO (#PCDATA)>
        <! ELEMENT CODIGO_UNIDAD_ADMINISTRATIVA (#PCDATA)>
        <! ELEMENT IDENTIFICADOR_TRAMITE (#PCDATA)>
    <! ELEMENT DATOS_ANEXO_DOCUMENTACION (
        STRUCTURED,
        TIPO_DE_DOCUMENTO,
        IDENTIFICADOR_DOCUMENTO,
        CODIGO_RDS,
        NOMBRE_DOCUMENTO,
        EXTRACTO_DOCUMENTO ?,
        HASH_DOCUMENTO ?,
        CODIGO_NORMALIZADO ?,
        FIRMA_TERCEROS?)>
        <! ELEMENT STRUCTURED (#PCDATA)>
        <! ELEMENT TIPO_DE_DOCUMENTO (#PCDATA)>
        <! ELEMENT IDENTIFICADOR_DOCUMENTO (#PCDATA)>
        <! ELEMENT NOMBRE_DOCUMENTO (#PCDATA)>
        <! ELEMENT EXTRACTO_DOCUMENTO (#PCDATA)>
        <! ELEMENT CODIGO_NORMALIZADO (#PCDATA)>
        <! ELEMENT EXTRACTO_DOCUMENTO (#PCDATA)>
        <! ELEMENT HASH_DOCUMENTO (#PCDATA)>
```

```
<! ELEMENT FIRMA_TERCEROS (#PCDATA)>
```

5.1.2. XML Sample of input registry note

```
<? Xml version = "1.0" encoding = "UTF-8"?>
<! DOCTYPE ASIENTO_REGISTRAL SYSTEM "ASIENTO_RT.DTD">
<ASIENTO_REGISTRAL version= "1.0">
    <DATOS_ORIGEN>
        <CODIGO_ENTIDAD_REGISTRAL_ORIGEN>14</CODIGO_ENTIDAD_REGISTRAL_ORIGEN>
        <NUMERO_REGISTRO/>
        <FECHA_ENTRADA_REGISTRO/>
        <Record_type>One</Record_type>
    </DATOS_ORIGEN>
    <DATOS_INTERESADO>
        <TIPO_INTERESADO> RPT </TIPO_INTERESADO>
        <TIPO_IDENTIFICACION>N</TIPO_IDENTIFICACION>
        <IdentificationNumber> 1111111Z</IdentificationNumber>
        <FORMATO_DATOS_INTERESADO> AN</FORMATO_DATOS_INTERESADO>
        <IDENTIFICACION_INTERESADO>Gómez Pérez, José</IDENTIFICACION_INTERESADO>
        <PROCEDENCIA_GEOGRAFICA>IB</PROCEDENCIA_GEOGRAFICA>
        <DIRECCION_CODIFICADA>
            <CODIGO_PROVINCIA>01</CODIGO_PROVINCIA>
            <NOMBRE_MUNICIPIO>MUNICIPALITY</NOMBRE_MUNICIPIO>
            <HOME>Street</HOME>
        </DIRECCION_CODIFICADA>
    </DATOS_INTERESADO>
    <DATOS_ASUNTO>
        <IDIOMA_ASUNTO> 2 </IDIOMA_ASUNTO>
        <TIPO_ASUNTO>SW</TIPO_ASUNTO>
        <EXTRACTO_ASUNTO> Business Abstract</ EXTRACTO_ASUNTO>
        <CODIGO_ORGANO_DESTINO>1440</CODIGO_ORGANO_DESTINO>
        <CODIGO_UNIDAD_ADMINISTRATIVA>1440</ CODIGO_UNIDAD_ADMINISTRATIVA >
        <IDENTIFICADOR_TRAMITE>TEST-1</ IDENTIFICADOR_TRAMITE >
    </DATOS_ASUNTO>
    <DATOS_ANEXO_DOCUMENTACION>
        <STRUCTURED>S</STRUCTURED>
        <TIPO_DE_DOCUMENTO>O</TIPO_DE_DOCUMENTO>
        <IDENTIFICADOR_DOCUMENTO>23451</IDENTIFICADOR_DOCUMENTO>
        <CODIGO_RDS>23455</ CODIGO_RDS>
        <NOMBRE_DOCUMENTO> FormularioEntrada.xml</NOMBRE_DOCUMENTO>
        < EXTRACTO_DOCUMENTO> Entry Form</ EXTRACTO_DOCUMENTO>
        <HASH_DOCUMENTO>AA04EF010DAABB46</HASH_DOCUMENTO>
    </DATOS_ANEXO_DOCUMENTACION>
    <DATOS_ANEXO_DOCUMENTACION>
        <STRUCTURED>N</STRUCTURED>
        <TIPO_DE_DOCUMENTO>O</TIPO_DE_DOCUMENTO>
        <IDENTIFICADOR_DOCUMENTO>FORM1-1</IDENTIFICADOR_DOCUMENTO>
        <CODIGO_RDS>23456</ CODIGO_RDS>
        <NOMBRE_DOCUMENTO>NIF.JPG</NOMBRE_DOCUMENTO>
        <EXTRACTO_DOCUMENTO>NIF Applicant</EXTRACTO_DOCUMENTO>
        <HASH_DOCUMENTO>AA04EF010DAABB45</HASH_DOCUMENTO>
        <CODIGO_NORMALIZADO >NIF Applicant</CODIGO_NORMALIZADO >
    </DATOS_ANEXO_DOCUMENTACION>
</ASIENTO_REGISTRAL>
```

5.1.3. Description of DTD fields

As seen in DTD, XML from registry note will have next structure:

ASIENTO_REGISTRAL (Contains note data)

DATOS_ORIGEN (Information from the registry office)

DATOS_DESTINO (Not used, useful for transfers)

DATOS_INTERESADO (1 to n) (Presenter or applicant data)

DATOS_ASUNTO (Subject and recipient authority data)

DATOS_ANEXO_DOCUMENTACION (1 to n) (Attached document data)

A brief description of fields and information that is expected in each of them can be read below.

The format to indicate type, length and required is next:

C: Character / N: Number

n: Maximum field length

R: Required / O: Optional

Parámetros del DTD

- **version**: DTD version (1.0). Required.

DATOS_ORIGEN

- **CODIGO_ENTIDAD_REGISTRAL_ORIGEN** (C:2:R): Indicates Registry Office where it will be registered. It is encoded by office number (2).
- **NUMERO_REGISTRO** (C:13:R): Final registry number used to inform registry office and corresponding number/year to the user. The format is XX/NNNNN/YYYY where XX is registry unit code, NNNNN is registry number while AAAA is registry year. This field only has sense for registry exchanges between different registries (without use in CAIB at the moment) and for notification registry acknowledgement of receipt. This field must exist even it doesn't have value initially.
- **FECHA_ENTRADA_REGISTRO** (C:14:R): Date format is YYYYMMDDHHMMSS. This field only has sense for registry exchanges between different registries (without use in CAIB at the moment) and for notification registry acknowledgement of receipt. This field must exist even it doesn't have value at the initially.
- **Record_type** (C:1:R): Indicates type of note:
  - E: Input record
  - S: Output record
  - R: Acknowledgment of receipt record

  Note format is also used for processes that do not pass through telematic registry. Following types were created for this processes:
  - B: Shipping Box
  - P: Prerecord (registry or shipment)

DATOS_DESTINO

Not used by the platform, only makes sense for registry exchanges.

- **CODIGO_ENTIDAD_REGISTRAL_DESTINO** (C:2:R): It indicates destination registry entity
- **DECODIFICACION_ENTIDAD_REGISTRAL_DESTINO** (C:250:O): It indicates destination registry entity

DATOS_INTERESADO

As pointed out in DTD, this field is recursive and required. More than one applicant associated to the request can be indicated. **As input registry only allows one applicant, other applicants will remain in this registry note even they won't be copied to any file later**. In any case, it will differentiate between first applicant instance (main registry sender or representative) and the rest. This information is distinguished by TIPO_INTERESADO field.

- **TIPO_INTERESADO** (C:3:O): Indicates applicant type:
  - RPT: Representative in his own name if there is only one applicant or in name of others if others are interested.
  - RPD: Represented in case no representation exists
  - DLG: In delegation case it will contain person presenting the process in name of the applicant (RPT)
- **USUARIO_SEYCON** (C:50:O): It points out SEYCON user associated with RPT when applicant type is RPT.
- **NIVEL_AUTENTICACION** (C:1:O): it indicates authentication level used in note generation when applicant type is RPT (ONLY FOR INPUT, IT HASN'T SENSE FOR OUTPUT).
- **TIPO_IDENTIFICACION** (C:1:O): N: NIF, C: CIF
- **IdentificationNumber** (C:15:O): Document number of previous type.
- **FORMATO_DATOS_INTERESADO** (C:2:R): Provided data type about applicant (AN: Surname, Name format).
- **IDENTIFICACION_INTERESADO** (C:30:R): Applicant identification according to previous format (typically it will be full name because it will always register with certificates issued to physical and juridical person through telematic option).
- **PROCEDENCIA_GEOGRAFICA** (C:2:O): Geographic origin (IB: Illes Balears, OT: Others) MUST BE CALCULATED FOR REPRESENTATIVE.
- **DIRECCION_CODIFICADA**: Applicant address in structured format
  - CODIGO_PROVINCIA: (C:2:O)
  - NOMBRE_PROVINCIA: (C:30:O)
  - CODIGO_MUNICIPIO: (C:3:O)
  - NOMBRE_MUNICIPIO: (C:30:O)
  - CODIGO_POBLACION: (C:2:O)
  - NOMBRE_POBLACION: (C:30:O)
  - ADDRESS: (C:45:O)
  - Zip_code: (C:5:O)
  - PHONE: (C:15:O)
  - FAX: (C:15:O)
  - PAIS_ORIGEN: (C:30:O)

  All fields are optional.

DATOS_ASUNTO

- **FECHA_ASUNTO** (C:14:O): Date format is YYYYMMDDHHMMSS. This field indicates the date when the content was prepared to be registered (may differ from the date on which the registration is done).
- **IDOMA_ASUNTO** (C:1:R): Language used in request presentation (1 → Castilian; 2 → Catalan).
- **TIPO_ASUNTO** (C:2:R): It corresponds to performed registry.
    - In case of input/output records, it is necessary to establish one of defined registry types (Registry table mapping).
    - Following values are possible for registry acknowledgment of receipts:
        - ENTREGADA: notification delivered signing receipt with certificate or not.
        - ENTREGADA_CLAVE: notification delivered signing receipt with password.
        - REJECTED: notification rejected
- **EXTRACTO_ASUNTO** (C:200:O): Issue description to which record refers. It will correspond with telematic process description being performed at the input.
- **CODIGO_ORGANO_DESTINO** (C:4:R): Target authority Identification of documentation. (Mapping to registry tables)
- **CODIGO_UNIDAD_ADMINISTRATIVA** (C:4:R): Target administrative Unit Identification of documentation. (Mapping SAC tables)
- **IDENTIFICADOR_TRAMITE** (C:10:O): Process identification (ONLY FOR TELEMATIC PROCESSES FROM PROCESSING PLATFORM). It is used for an input registration of a telematic process. Composed by: Processing platform process identifier + "-" + version. If this identifier is specified it must exist an attached document of own data (it contains processing own data to be shown in proof: instructions and request data).

DATOS_ANEXO_DOCUMENTACION

- **STRUCTURED** (C:1:R): S: Structured / N: Non structured.
- **TIPO_DE_DOCUMENTO** (C:2:R): Following document types exist:
    - O: Others (attached documents without a special type)
    - D: Processing own data (for input registrations, it contains processing own data to be shown in proof: instructions and request data). Required for input registrations where IDENTIFICADOR_TRAMITE is specified.
    - A: Notification warning for notifications. It indicates warning content sent to citizen before he signs acknowledgement of receipt. It is mandatory for an output registry note and for a registry acknowledgment of receipt (the citizen will sign the warning as acknowledgment of receipt).
    - R Reference notice for notifications. It indicates notification content shown to citizen after signing acknowledgment of receipt. It is mandatory for output registry note.
    - X: Extension to registry. XML documents indicating organization own data necessary to register. This way you can "extend" registry note to include organization own data. XML format will be defined by organization. NOTE: currently this type of documents can only be used while generating a telematic output registration.

- **IDENTIFICADOR_DOCUMENTO** (C:20:R): Document internal key in the note into the seat. Composed by IdDocumento + "-" + Instance.
- **CODIGO_RDS:** Unique key identifying the document within RDS.
- **NOMBRE_DOCUMENTO** (C:255:R): Document name with extension.
- **EXTRACTO_DOCUMENTO**(C:200:O) Extract of document content.
- **HASH_DOCUMENTO**(C:500:R) Hash of the document.
- **CODIGO_NORMALIZADO** (C:20:O) Model-Version: identifies that document.
- **FIRMA_TERCEROS**(C:1:O) S: Signed by others / N: Not signed by others

5.2. Own Document Data Processing

This document will be mandatory for entries generated from processing platform. If field IDENTIFICADOR_TRAMITE is specified in input registry note, it will be verified that this document exists. In this document own data referring process being registered will be specified (persistence identifier, documents to deliver in person, customized values for proof, etc.).

5.2.1. XSD from Datos Propios Document

```
<?xml version="1.0" encoding="UTF-8"?>
<xs: schema xmlns: xs="Http://www.w3.org/2001/XMLSchema" elementFormDefault="Qualified">
  <xs: element name="DATOS_PROPIOS">
    <xs: complexType>
      <xs: sequence>
        <xs: element minOccurs="1" maxOccurs="1" Inventory="INSTRUCTIONS"/>
        <xs: element minOccurs="0" Inventory="APPLICATION"/>
      </xs: sequence>
    </xs: complexType>
  </xs: element>
  <xs: element name="INSTRUCTIONS">
       <xs: complexType>
              <xs: sequence>
                     <xs: element minOccurs="1" maxOccurs="1" name="TEXTO_INSTRUCCIONES"
type="String_no_vacio" />
                     <xs: element minOccurs="0" maxOccurs="1" Inventory="DOCUMENTOS_ENTREGAR"
/>
                     <xs: element minOccurs="0" maxOccurs="1" Inventory="FECHA_TOPE_ENTREGA"
/>
                     <xs: element minOccurs="0" maxOccurs="1"
Inventory="TEXTO_FECHA_TOPE_ENTREGA" />
                     <xs: element minOccurs="0" maxOccurs="1"
Inventory="IDENTIFICADOR_PERSISTENCIA" />
                     <xs: element minOccurs="0" maxOccurs="1"
Inventory="IDENTIFICADOR_PROCEDIMIENTO" />
                     <xs: element minOccurs="0" maxOccurs="1"
Inventory="HABILITAR_NOTIFICACION_TELEMATICA" />
                     <xs: element minOccurs="0" maxOccurs="1" Inventory="HABILITAR_AVISOS" />
                     <xs: element minOccurs="0" maxOccurs="1" Inventory="AVISO_SMS" />
                     <xs: element minOccurs="0" maxOccurs="1" Inventory="AVISO_EMAIL" />
                     <xs: element minOccurs="0" maxOccurs="1" Inventory="TRAMITE_SUBSANACION"
/>
                     <xs: element minOccurs="0" maxOccurs="1"
Inventory="FORMULARIOS_JUSTIFICANTE" />
                     <xs: element minOccurs="0" maxOccurs="1"
Inventory="PERSONALIZACION_JUSTIFICANTE" />
              </xs: sequence>
       </xs: complexType>
  </xs: element>
  <xs: element name="DOCUMENTOS_ENTREGAR">
       <xs: complexType>
              <xs: sequence>
                     <xs: element minOccurs="0" maxOccurs="Unbounded" Inventory="DOCUMENT" />
              </xs: sequence>
       </xs: complexType>
  </xs: element>
  <xs: element name="DOCUMENT">
       <xs: complexType>
              <xs: sequence>
                     <xs: element minOccurs="1" maxOccurs="1" name="TITLE"
type="String_no_vacio" />
                     <xs: element minOccurs="0" maxOccurs="1" name="IDENTIFIER"
type="String_no_vacio" />
              </xs: sequence>

              <xs: attribute name="TYPE" use="Required">
```

```
                <xs: simpleType>
                  <xs: restriction base="Xs: token">
                    <xs: enumeration value="J"/>
                    <xs: enumeration value="F"/>
                    <xs: enumeration value="G"/>
                    <xs: enumeration value="A"/>
                    <xs: enumeration value="P"/>
                  </xs: restriction>
                </xs: simpleType>
        </xs: attribute>

        <xs: attribute name="SIGN" use="Optional" type="Xs: boolean" />
        <xs: attribute name="Collate" use="Optional" type="Xs: boolean" />
        <xs: attribute name="COPY" use="Optional" type="Xs: boolean" />
        </xs: complexType>
  </xs: element>
  <xs: element name="APPLICATION">
    <xs: complexType>
      <xs: sequence>
        <xs: element maxOccurs="Unbounded" Inventory="FACT"/>
      </xs: sequence>
    </xs: complexType>
  </xs: element>
  <xs: element name="FACT">
    <xs: complexType>
      <xs: sequence>
        <xs: element Inventory="DESCRIPTION"/>
        <xs: element minOccurs="0" Inventory="VALUE"/>
      </xs: sequence>
      <xs: attribute name="TYPE" use="Required">
        <xs: simpleType>
          <xs: restriction base="Xs: token">
            <xs: enumeration value="C"/>
            <xs: enumeration value="B"/>
            <xs: enumeration value="I"/>
          </xs: restriction>
        </xs: simpleType>
      </xs: attribute>
    </xs: complexType>
  </xs: element>
  <xs: element name="DESCRIPTION" type="Xs: string"/>
  <xs: element name="VALUE" type="Xs: string"/>

  <xs: element name="FECHA_TOPE_ENTREGA" type="Xs: string"/>
  <xs: element name="IDENTIFICADOR_PERSISTENCIA" type="Xs: string"/>
  <xs: element name="IDENTIFICADOR_PROCEDIMIENTO" type="Xs: string"/>
  <xs: element name="TEXTO_FECHA_TOPE_ENTREGA" type="Xs: string"/>

  <xs: element name="HABILITAR_NOTIFICACION_TELEMATICA" type="String_si_no"/>
  <xs: element name="HABILITAR_AVISOS" type="String_si_no"/>
  <xs: element name="AVISO_SMS" type="Xs: string"/>
  <xs: element name="AVISO_EMAIL" type="Xs: string"/>

  <xs: element name="TRAMITE_SUBSANACION">
        <xs: complexType>
                <xs: sequence>
                        <xs: element name="EXPEDIENTE_CODIGO" type="Xs: string"/>
                        <xs: element name="EXPEDIENTE_UNIDAD_ADMINISTRATIVA" type="Xs: long"/>
                </xs: sequence>
        </xs: complexType>
  </xs: element>

   <xs: element name="PERSONALIZACION_JUSTIFICANTE">
        <xs: complexType>
                <xs: sequence>
                        <xs: element minOccurs="0" maxOccurs="1"
name="OCULTAR_CLAVE_TRAMITACION" type="String_si_no" />
                        <xs: element minOccurs="0" maxOccurs="1" name="OCULTAR_NIF_NOMBRE"
type="String_si_no" />
                </xs: sequence>
        </xs: complexType>
  </xs: element>

  <xs: element name="FORMULARIOS_JUSTIFICANTE">
        <xs: complexType>
```

```
                <xs: sequence>
                        <xs: element minOccurs="0" maxOccurs="Unbounded"
Inventory="FORMULARIO_JUSTIFICANTE" />
                </xs: sequence>
        </xs: complexType>
  </xs: element>

  <xs: element name="FORMULARIO_JUSTIFICANTE">
        <xs: complexType>
                <xs: sequence>
                        <xs: element minOccurs="1" maxOccurs="1" name="IDENTIFIER"
type="String_no_vacio" />
                </xs: sequence>
        </xs: complexType>
  </xs: element>

  <xs: simpleType name='String_no_vacio'>
        <xs: restriction base='Xs: string'>
        <xs: minLength value='1'/>
        </xs: restriction>
  </xs: simpleType>


        <xs: simpleType name="String_si_no">
                <xs: restriction base="Xs: string">
                        <xs: pattern value="S | N"/>
                </xs: restriction>
        </xs: simpleType>

</xs: schema>
```

5.2.2. Field description of Datos Propios document

A description of each field follows:

INSTRUCTIONS

- **TEXTO_INSTRUCCIONES:** Delivery instructions
- **DOCUMENTOS_ENTREGAR** Documentation to deliver in person
  - **DOCUMENT:** Document to give in person. Document is configured through attributes:
    - TIPO: J(Proof)/ F (Form) / G (Proof form) / A (Annex) / P (Payment)
      - Only a Proof or Proof form (form used as proof) is accepted
    - FIRMAR: It indicates whether the document should be signed or not (S/N)
    - COMPULSAR: Ii indicates whether the document should certified with the original (S/N)
    - FOTOCOPIA: Indicates whether a photocopy of the original should be given (S/N)

    A document has the following nodes:
    - TITULO: Document name
    - IDENTIFICADOR: Document identifier in registry note

- **FECHA_TOPE_ENTREGA:** In person documentation delivery deadline
- **IDENTIFICADOR_PERSISTENCIA:** Process persistence identifier
- **HABILITAR_NOTIFICACION_TELEMATICA:** It indicates if citizen gives his consent for telematic notification of this process (S/N)
- **HABILITAR_AVISOS:** Indicates whether citizen activates sms and email alerts for this process (S/N)
- **AVISO_SMS:** Mobile phone number (if empty, citizen is not notified)
- **AVISO_EMAIL:** Email address (if empty, citizen is not notified)
- **TRAMITE_SUBSANACION:** If it is a correcting process, it indicates record reference to which it belongs to
- **FORMULARIOS_JUSTIFICANTE:** It indicates forms to be annexed to PDF proof
- **PERSONALIZACION_JUSTIFICANTE:** It allows to sets options to customize PDF proof generation:
    - **OCULTAR_CLAVE_TRAMITACION:** For anonymous processes, it indicates that processing key should not be displayed.
    - **OCULTAR_NIF_NOMBRE:** It indicates to not show NIF and name.

APPLICATION

- **DATO:** It allows proof customization through form field information. Two types of data: separator (B) and field (C)
    - **DESCRIPTION:** Separator / field name
    - **VALUE:** Field value

5.3. Notification warning document

Application generating a telematic notification should generate this kind of document.

This document is mandatory for output registry notes. Warning message for output registry will be specified through this document. Moreover, it will indicate if acknowledgement of receipt signature is required.

5.3.1. XSD of notification warning

```
<?xml version="1.0" encoding="UTF-8"?>
<xs: schema xmlns: xs="Http://www.w3.org/2001/XMLSchema" elementFormDefault="Qualified">
  <xs: element name="AVISO_NOTIFICACION">
    <xs: complexType>
      <xs: sequence>
        <xs: element minOccurs="1" maxOccurs="1" Inventory="TITLE"/>
        <xs: element minOccurs="1" maxOccurs="1" Inventory="TEXT"/>
        <xs: element minOccurs="0" maxOccurs="1" Inventory="TEXTO SMS"/>
        <xs: element minOccurs="1" maxOccurs="1" Inventory="ACUSE RECIBO"/>
        <xs: element minOccurs="1" maxOccurs="1" Inventory="FILE"/>
      </xs: sequence>
    </xs: complexType>
  </xs: element>

  <xs: element name="TITLE" type="String no vacio"/>
  <xs: element name="TEXT" type="String_no_vacio"/>
  <xs: element name="TEXTO_SMS" type="String_no_vacio"/>
  <xs: element name="ACUSE RECIBO" type="String_si_no"/>
  <xs: element name="FILE">
        <xs: complexType>
        <xs: sequence>
               <xs: element minOccurs="1" maxOccurs="1" Inventory="UNIDAD_ADMINISTRATIVA"/>
               <xs: element minOccurs="1" maxOccurs="1" Inventory="IDENTIFICADOR_EXPEDIENTE"/>
               <xs: element minOccurs="0" maxOccurs="1" name="CLAVE_EXPEDIENTE" type="Xs:
string"/>
               </xs: sequence>
        </xs: complexType>
  </xs: element>

  <xs: element name="UNIDAD ADMINISTRATIVA" type="String no vacio"/>
  <xs: element name="IDENTIFICADOR_EXPEDIENTE" type="String_no_vacio"/>

  <xs: simpleType name='String_no_vacio'>
        <xs: restriction base='Xs: string'>
        <xs: minLength value='1'/>
        </xs: restriction>
  </xs: simpleType>

   <xs: simpleType name='String_si_no'>
        <xs: restriction base='Xs: string'>
        <xs: pattern value="YES | NO"/>
        </xs: restriction>
  </xs: simpleType>

</xs: schema>
```

5.3.2. Structure description of notification warning

- **TITLE:** Warning Title
- **TEXT:** Warning text
- **TEXTO_SMS:** SMS text alert. If not set, and citizen has triggered this alert he will receive a default message.
- **ACUSE_RECIBO:** It indicates if acknowledgment of receipt should be signed or not (SI / NO)
- **EXPEDIENTE:** It indicates associated record to notification

5.4. Reference notice document

This document is mandatory for output registry notes. Notification text for output registry will be specified through this document.

5.4.1. Reference notice XSD

```
<?xml version="1.0" encoding="UTF-8"?>
<xs: schema xmlns: xs="Http://www.w3.org/2001/XMLSchema" elementFormDefault="Qualified">
  <xs: element name="OFICIO_REMISION">
    <xs: complexType>
      <xs: sequence>
        <xs: element minOccurs="1" maxOccurs="1" Inventory="TITLE"/>
        <xs: element minOccurs="1" maxOccurs="1" Inventory="TEXT"/>
        <xs: element  minOccurs="0" maxOccurs="1" Inventory="TRAMITE_SUBSANACION"/>
      </xs: sequence>
    </xs: complexType>
  </xs: element>

  <xs: element name="TITLE" type="String no vacio"/>
  <xs: element name="TEXT" type="String_no_vacio"/>

  <xs: element name="TRAMITE SUBSANACION">
              <xs: complexType>
                     <xs: sequence>
                            <xs: element name="DESCRIPCION TRAMITE" type="Xs: string"/>
                            <xs: element name="IDENTIFICADOR TRAMITE" type="Xs: string"/>
                            <xs: element name="VERSION_TRAMITE" type="Xs: int"/>

                            <xs: element minOccurs="0" maxOccurs="1"
Inventory="PARAMETROS_TRAMITE"/>
                     </xs: sequence>
              </xs: complexType>
       </xs: element>

       <xs: element name="PARAMETROS_TRAMITE">
              <xs: complexType>
                     <xs: sequence>
                            <xs: element maxOccurs="Unbounded"
Inventory="PARAMETRO_TRAMITE"/>
                     </xs: sequence>
              </xs: complexType>
       </xs: element>

       <xs: element name="PARAMETRO_TRAMITE">
              <xs: complexType>
                     <xs: sequence>
                            <xs: element name="PARAMETER" type="Xs: string"/>
                            <xs: element name="VALUE" type="Xs: string"/>
```

```
                    </xs: sequence>
                </xs: complexType>
        </xs: element>

  <xs: simpleType name='String_no_vacio'>
        <xs: restriction base='Xs: string'>
        <xs: minLength value='1'/>
        </xs: restriction>
  </xs: simpleType>

</xs: schema>
```

5.4.2. Structure description of reference notice

- **TITLE:** Notice title
- **TEXT:** Notice text
- **TRAMITE_SUBSANACION:** It allows indicating that a reference process should be performed. Process Model/version is indicated and startup parameters can be specified.

5.5. External document notification

This document allows attaching an URL to an external document in a notification.

For achieving it, it will be inserted as an attached document of the notification noting GE0013NOTIFEXT model.

5.5.1. External document notification XSD

```
<?xml version="1.0" encoding="UTF-8"?>
<xs: schema xmlns: xs="Http://www.w3.org/2001/XMLSchema"
elementFormDefault="Qualified">

      <xs: element name="DOCUMENTO_EXTERNO_NOTIFICACION">
            <xs: complexType>
                  <xs: sequence>
                        <xs: element Inventory="NAME" />
                        <xs: element Inventory="URL"/>
                  </xs: sequence>
            </xs: complexType>
      </xs: element>

      <xs: element name="NAME" type="String_no_vacio" />
      <xs: element name="URL" type="String_no_vacio"/>

   <xs: simpleType name="String_no_vacio">
      <xs: restriction base="Xs: string">
      <xs: minLength value="1"/>
      </xs: restriction>
  </xs: simpleType>

</xs: schema>
```

5.5.2. Structure description of external document notification

- **NAME:** Document Name
- **URL:** Document URL