

Flat File integration into MS-SQL Database

Norbert Dentressangle Gerposa - Information Technology



Functional Specification Document

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2. Document History

2.1. Author and Document Information

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2.3. Document Distribution

Name	Location
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3. Introduction

3.1. Overview

This document describes the functionality needed for interface creation and loading of flat files into a MS-SQL tables.

The development must be under VB.NET 2003 and be console, command line application, on a single .EXE named GIIFCSU.EXE.

It will have 2 parameters:

Parameter 1 -> Directory where the program will check files to load

Parameter 2 -> Check time. It can contain a two digits value, will indicate how many minutes will wait until if check again for files (in this case the program never stop). If the value is 00, the program will execute one time only.

3.2. Process

3.2.1. File Integration

The command line program will scan a directory passed as parameter (1st parameter) at a internal selected (2nd parameter) and for each of the files will insert into respective tables:

CABIFC*.TXT to table CABIFC.-
OBSIFC*.TXT to table OBSIFC.-
CONSIFC*.TXT to table CONSIFC.-
FECIFC*.TXT to table FECIFC.-
CONTCOIFC*.TXT to table CONTCOIFC.-
OBSCOIFC*.TXT to table OBSCOIFC.-
NADCOIFC*.TXT to table NADCOIFC.-
AGRUCOIFC*.TXT to table AGRUCOIFC.-
MGRUPIFC*.TXT to table MGRUPIFC.-
OBSARTIFC*.TXT to table OBSARTIFC.-
UDSEQIFC*.TXT to table UDSSEQIFC.-

In case of error, like duplicated rows, the process will generated a record in the LOG table as described in section 2 and continue the process.

3.2.2. Flat files structure

Below is described all different files layout. The columns' meaning:

Field -> name of field, same as the respective table

Type -> type of field, X for alpha, which will be NCHAR in MSSQL Table or N for numeric, which will be NUMERIC in the tables

Len -> Length of the field

Ini -> Start position in the record

Fin -> End position in the record

CABIFC*.TXT

Field	Typ e	Len	Ini	Fin
CLAVE1	X	10	1	10
NUMDOC	X	35	11	45
NOMMEN	X	3	46	48
FUNCION	X	3	49	51
FECHA	X	12	52	63
TOTENV	N	18	64	81
NUMCONT	X	35	82	116
NUMINST	X	35	11 7	151
CALIFTRANS	X	3	15 2	154
TYPETRANS	X	3	15 5	157

Field	Typ e	Len	Ini	Fin
MEDTRANS	X	3	15 8	160
TRANSPORTISTA	X	17	16 1	177
TRSOCIAL	X	70	17 8	247
TCALLE	X	35	24 8	282
TCIUDAD	X	35	28 3	317
TCP	X	9	31 8	326
CONSIGNADOR	X	17	32 7	343
RSOCIAL	X	70	34 4	413
CALLE	X	35	41 4	448
POBLAC	X	35	44 9	483
CP	X	9	48 4	492

OBSIFC*.TXT

Field	Type	Len	Ini	Fin
-------	------	-----	-----	-----

CLAVE1	X	10	1	10
CLAVE2	X	10	11	20
TEMA	X	3	21	23
TEXT01	X	70	24	93
TEXT02	X	70	94	163
TEXT03	X	70	164	233
TEXT04	X	70	234	303
TEXT05	X	70	304	373

CONSIFC*.TXT

Field	Type	Len	Ini	Fin
CLAVE1	X	10	1	10
CLAVE2	X	10	11	20
NUMREF	X	50	21	70
REQSER1	X	50	71	120
REQSER2	X	3	121	123
PRIOR	X	3	124	126

Field	Type	Len	Ini	Fin
IMPEFEC	N	18	127	144
VALADU	N	18	145	162
VALCARGA	N	18	163	180
VALASEG	N	18	181	198
PAGOTRANS1	X	3	199	201

Field	Type	Len	Ini	Fin
CONDENT1	X	3	202	204
PAGOTRANS2	X	3	205	207

Field	Type	len	Ini	Fin
CONDENT2	X	3	208	210
REFENV	X	13	211	223
REFDOCT	X	13	224	236
REFITA	X	13	237	249

REFENVT	X	13	250	262
NUMALB	X	13	263	275
NUMPED	X	13	276	288

FECIFC*.TXT

Field	Type	Len	Ini	Fin
CLAVE1	X	10	1	10
CLAVE2	X	10	11	20
CLAVE3	X	10	21	30
CALIF	X	3	31	33
FECHA	X	12	34	45
FORMAF	X	3	46	48

CONTCOIFC*.TXT

Field	Type	Len	Ini	Fin
CLAVE1	X	10	1	10
CLAVE2	X	10	11	20
CLAVE3	X	10	21	30
CALIF	X	3	31	33
VALOR	N	18	34	51
UDS	X	3	52	54

OBSCOIFC*.TXT

Field	Type	Len	Ini	Fin
CLAVE1	X	10	1	10
CLAVE2	X	10	11	20
CLAVE3	X	10	21	30
TEMA	X	3	31	33
TEXT01	X	70	34	103
TEXT02	X	70	104	173
TEXT03	X	70	174	243
TEXT04	X	70	244	313
TEXT05	X	70	314	383
IDTICKET	X	3	384	386
DEVALB	X	3	387	389

NADCOIFC*.TXT

Field	Type	Len	Ini	Fin
CLAVE1	X	10	1	10
CLAVE2	X	10	11	20
CLAVE3	X	10	21	30
CALIF	X	3	31	33
CODEAN	X	17	34	50
RSOCIAL	X	70	51	120
CALLE	X	35	121	155
POBLAC	X	35	156	190
CP	X	5	191	195
LUGENT1	X	3	196	198
MUELLE1	X	25	199	223
LUGENT2	X	3	224	226
MUELLE2	X	25	227	251
CONTACOD	X	17	252	268
CONTACTO	X	35	269	303
TELEFONO	X	70	304	373
FAX	X	70	374	443
EMAIL	X	70	444	513
NOTENT	X	35	514	548
PRUENT	X	35	549	583
CODINT	X	35	584	618
NIF	X	35	619	653

AGRUCOIFC*.TXT

Field	Type	Len	Ini	Fin
CLAVE1	X	10	1	10
CLAVE2	X	10	11	20
CLAVE3	X	10	21	30
NUMEMB	X	25	31	55

AGRUCOIFC*.TXT

Field	Type	Len	Ini	Fin
CLAVE1	X	10	1	10
CLAVE2	X	10	11	20
CLAVE3	X	10	21	30
NUMEMB	X	25	31	55

TYPEEMB	X	17	56	72
CALIFMAN	X	3	73	75
TEMPALM	X	3	76	78
TEMPTRANS	X	3	79	81
UDSTEMP	X	3	82	84
LIMITINF	N	18	85	102
LIMITSUP	N	18	103	120
CALIFUN1	X	3	121	123
NUMART1	X	35	124	158
AGRESART1	X	3	159	161
CALIFUN2	X	3	162	164
NUMART2	X	35	165	199
AGRESART2	X	3	200	202
CALIFUN3	X	3	203	205
NUMART3	X	35	206	240
AGRESART3	X	3	241	243
CALIFUN4	X	3	244	246
NUMART4	X	35	247	281
AGRESART4	X	3	282	284
CALIFUN5	X	3	285	287
NUMART5	X	35	288	322
AGRESART5	X	3	323	325
MEDIDA1	N	18	326	343
UDSMED1	X	3	344	346
SIGMED1	X	3	347	349
MEDINF1	N	18	350	367
MEDSUP1	N	18	368	385
MEDIDA2	N	18	386	403
UDSMED2	X	3	404	406
SIGMED2	X	3	407	409
MEDINF2	N	18	410	427
MEDSUP2	N	18	428	445
MEDIDA3	N	18	446	463
UDSMED3	X	3	464	466
SIGMED3	X	3	467	469
MEDINF3	N	18	470	487
MEDSUP3	N	18	488	505
MEDIDA4	N	18	506	523
UDSMED4	X	3	524	526
SIGMED4	X	3	527	529
MEDINF4	N	18	530	547
MEDSUP4	N	18	548	565
DIMLONGT	N	15	566	580
DIMALTT	N	15	581	595
DIMANCT	N	15	596	610
DIMLONG	N	15	611	625
DIMANC	N	15	626	640
DIMALT	N	15	641	655

UDSDIM	X	3	656	658
NUMIDEQ	X	17	659	675
REGMP	X	8	676	683
CODRIES	X	7	684	690
UNDG	N	4	691	694
GRADPEL	X	1	695	695
CONTACTO	X	35	696	730
NUMCOMO	X	70	731	800
CONTACTE	X	35	801	835
NUMCOME	X	70	836	905
PESNETMP	N	18	906	923
VOLNETMP	N	18	924	941
UNIDMPPE	N	15	942	956
UNIDMPVOL	N	15	957	971

MGRUPIFC*.TXT

Field	Type	Len	Ini	Fin
CLAVE1	X	10	1	10
CLAVE2	X	10	11	20
CLAVE3	X	10	21	30
CLAVE4	X	10	31	40
INSMARCC	X	3	41	43
MARCA1	X	3	44	46
MARCA2	X	3	47	49
MARCA3	X	3	50	52
MARCA4	X	3	53	55
SSCC1	X	35	56	90
SSCC2	X	35	91	125
SSCC3	X	35	126	160
SSCC4	X	35	161	195

OBSARTIFC*.TXT

Field	Type	Len	Ini	Fin
CLAVE1	X	10	1	10
CLAVE2	X	10	11	20
CLAVE3	X	10	21	30
CLAVE4	X	10	31	40
TEMA	X	3	41	43
TEXT01	X	70	44	113
TEXT02	X	70	114	183

TEXT03	X	70	184	253
TEXT04	X	70	254	323
TEXT05	X	70	324	393

UDSEQIFC*.TXT

Field	Type	Len	Ini	Fin
CLAVE1	X	10	1	10
CLAVE2	X	10	11	20
CLAVE3	X	10	21	30
CALIFEQ	X	3	31	33
IDEQ	X	17	34	50
AGRESP	X	3	51	53
PROVEQ	X	3	54	56
INDEQ	X	3	57	59
UDSEQ	N	15	60	74
EQVACIO	X	17	75	91
RRSOCIAL	X	70	92	161
RCALLE	X	35	162	196
RCIUDAD	X	35	197	231
RCP	X	9	232	240
DESTINATARIO	X	17	241	257
DRSOCIAL	X	70	258	327
DCALLE	X	35	328	362
DPOBLAC	X	35	363	397
DCP	X	9	398	406
PROPIETARIO	X	17	407	423
RSOCIAL	X	70	424	493
CALLE	X	35	494	528
POBLAC	X	35	529	563
CP	X	9	564	572

3.2.3.MS-SQL Tables

We include the creation script of the tables for MS-SQL Server 2005

```
USE [integra]
GO
```

```

/***** Objeto: Table [dbo].[cabifc]      Fecha de la secuencia de comandos:
08/20/2008 00:22:11 *****/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[cabifc](
    [CLAVE1] [nchar](10) NOT NULL,
    [NUMDOC] [nchar](35) NOT NULL,
    [NOMMEN] [nchar](3) NOT NULL,
    [FUNCION] [nchar](3) NULL,
    [FECHA] [nchar](12) NOT NULL,
    [TOTENV] [numeric](18, 0) NULL,
    [NUMCONT] [nchar](35) NULL,
    [CALIFTRANS] [nchar](3) NULL,
    [TIPOTRANS] [nchar](3) NULL,
    [MEDTRANS] [nchar](3) NULL,
    [TRANSPORTISTA] [nchar](17) NULL,
    [TRSOCIAL] [nchar](70) NULL,
    [TCALLE] [nchar](35) NULL,
    [TCIUDAD] [nchar](35) NULL,
    [TCP] [nchar](9) NULL,
    [CONSIGNADOR] [nchar](17) NOT NULL,
    [RSOCIAL] [nchar](70) NULL,
    [CALLE] [nchar](35) NULL,
    [POBLAC] [nchar](35) NULL,
    [CP] [nchar](9) NULL,
    CONSTRAINT [PK_cabifc] PRIMARY KEY CLUSTERED
(
    [CLAVE1] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
) ON [PRIMARY]
GO
/***** Objeto: Table [dbo].[obsifc]      Fecha de la secuencia de comandos:
08/20/2008 00:22:38 *****/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[obsifc](
    [CLAVE1] [nchar](10) NOT NULL,
    [CLAVE2] [nchar](10) NOT NULL,
    [TEMA] [nchar](3) NULL,
    [TEXTO1] [nchar](35) NULL,
    [TEXTO2] [nchar](35) NULL,
    [TEXTO3] [nchar](35) NULL,
    [TEXTO4] [nchar](35) NULL,
    [TEXTO5] [nchar](35) NULL,
    CONSTRAINT [PK_obsifc] PRIMARY KEY CLUSTERED
(
    [CLAVE1] ASC,
    [CLAVE2] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
) ON [PRIMARY]
GO
/***** Objeto: Table [dbo].[consifc]      Fecha de la secuencia de comandos:
08/20/2008 00:22:17 *****/
SET ANSI_NULLS ON
GO

```

```

SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[consifc](
    [CLAVE1] [nchar](10) NOT NULL,
    [CLAVE2] [nchar](10) NOT NULL,
    [NUMREF] [nchar](50) NULL,
    [REQSER1] [nchar](50) NULL,
    [REQSER2] [nchar](3) NULL,
    [PRIOR] [nchar](3) NULL,
    [IMPEFEC] [numeric](18, 0) NULL,
    [VALADU] [numeric](18, 0) NULL,
    [VALCARGA] [numeric](18, 0) NULL,
    [VALASEG] [numeric](18, 0) NULL,
    [PAGOTRANS1] [nchar](3) NULL,
    [CONDENT1] [nchar](3) NULL,
    [PAGOTRANS2] [nchar](3) NULL,
    [CONDENT2] [nchar](3) NULL,
    [REFENV] [nchar](13) NULL,
    [REFDOCT] [nchar](13) NULL,
    [REFITA] [nchar](13) NULL,
    [REFENVT] [nchar](13) NULL,
    [NUMALB] [nchar](13) NULL,
    [NUMPED] [nchar](13) NULL,
    CONSTRAINT [PK_consifc] PRIMARY KEY CLUSTERED
(
    [CLAVE1] ASC,
    [CLAVE2] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
) ON [PRIMARY]
GO
/***** Objeto: Table [dbo].[fecifc] Fecha de la secuencia de comandos:
08/20/2008 00:22:21 *****/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[fecifc](
    [CLAVE1] [nchar](10) NOT NULL,
    [CLAVE2] [nchar](10) NOT NULL,
    [CLAVE3] [nchar](10) NOT NULL,
    [CALIF] [nchar](3) NULL,
    [FECHA] [nchar](12) NULL,
    [FORMAF] [nchar](3) NULL,
    CONSTRAINT [PK_fecifc] PRIMARY KEY CLUSTERED
(
    [CLAVE1] ASC,
    [CLAVE2] ASC,
    [CLAVE3] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
) ON [PRIMARY]
GO
/***** Objeto: Table [dbo].[contcoifc] Fecha de la secuencia de comandos:
08/20/2008 00:22:19 *****/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[contcoifc](
    [CLAVE1] [nchar](10) NOT NULL,

```

```

        [CLAVE2] [nchar](10) NOT NULL,
        [CLAVE3] [nchar](10) NOT NULL,
        [CALIF] [nchar](3) NULL,
        [VALOR] [numeric](18, 0) NULL,
        [UDS] [nchar](3) NULL,
    CONSTRAINT [PK_contcoifc] PRIMARY KEY CLUSTERED
(
        [CLAVE1] ASC,
        [CLAVE2] ASC,
        [CLAVE3] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
) ON [PRIMARY]
GO
/***** Objeto: Table [dbo].[obscoifc] Fecha de la secuencia de comandos:
08/20/2008 00:22:36 *****/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[obscoifc](
        [CLAVE1] [nchar](10) NOT NULL,
        [CLAVE2] [nchar](10) NOT NULL,
        [CLAVE3] [nchar](10) NOT NULL,
        [TEMA] [nchar](3) NULL,
        [TEXTO1] [nchar](35) NULL,
        [TEXTO2] [nchar](35) NULL,
        [TEXTO3] [nchar](35) NULL,
        [TEXTO4] [nchar](35) NULL,
        [TEXTO5] [nchar](35) NULL,
        [IDTICKET] [nchar](3) NULL,
        [DEVALB] [nchar](3) NULL,
    CONSTRAINT [PK_obscoifc] PRIMARY KEY CLUSTERED
(
        [CLAVE1] ASC,
        [CLAVE2] ASC,
        [CLAVE3] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
) ON [PRIMARY]
GO
/***** Objeto: Table [dbo].[nadcoifc] Fecha de la secuencia de comandos:
08/20/2008 00:22:30 *****/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[nadcoifc](
        [CLAVE1] [nchar](10) NOT NULL,
        [CLAVE2] [nchar](10) NOT NULL,
        [CLAVE3] [nchar](10) NOT NULL,
        [calif] [nchar](3) NULL,
        [codean] [nchar](17) NULL,
        [rsocial] [nchar](70) NULL,
        [calle] [nchar](35) NULL,
        [poblacion] [nchar](35) NULL,
        [cp] [nchar](5) NULL,
        [LUGENT1] [nchar](3) NULL,
        [MUELLE1] [nchar](25) NULL,
        [LUGENT2] [nchar](3) NULL,
        [MUELLE2] [nchar](25) NULL,

```

```

[CONTACOD] [nchar](17) NULL,
[CONTACTO] [nchar](35) NULL,
[TELEFONO] [nchar](70) NULL,
[FAX] [nchar](70) NULL,
[EMAIL] [nchar](70) NULL,
[NOTENT] [nchar](35) NULL,
[PRUENT] [nchar](35) NULL,
[CODINT] [nchar](35) NULL,
[NIF] [nchar](35) NULL,
CONSTRAINT [PK_nadcoifc] PRIMARY KEY CLUSTERED
(
    [CLAVE1] ASC,
    [CLAVE2] ASC,
    [CLAVE3] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
) ON [PRIMARY]
GO
/***** Objeto: Table [dbo].[mgrupifc] Fecha de la secuencia de comandos:
08/20/2008 00:22:24 *****/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[mgrupifc](
    [CLAVE1] [nchar](10) NOT NULL,
    [CLAVE2] [nchar](10) NOT NULL,
    [CLAVE3] [nchar](10) NOT NULL,
    [CLAVE4] [nchar](10) NOT NULL,
    [insmarcc] [nchar](3) NULL,
    [marca1] [nchar](3) NULL,
    [marca2] [nchar](3) NULL,
    [marca3] [nchar](3) NULL,
    [marca4] [nchar](3) NULL,
    [sscc1] [nchar](35) NULL,
    [sscc2] [nchar](35) NULL,
    [sscc3] [nchar](35) NULL,
    [sscc4] [nchar](35) NULL,
    CONSTRAINT [PK_MGRUPIFC] PRIMARY KEY CLUSTERED
(
    [CLAVE1] ASC,
    [CLAVE2] ASC,
    [CLAVE3] ASC,
    [CLAVE4] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
) ON [PRIMARY]
GO
/***** Objeto: Table [dbo].[obsartifc] Fecha de la secuencia de comandos:
08/20/2008 00:22:33 *****/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[obsartifc](
    [CLAVE1] [nchar](10) NOT NULL,
    [CLAVE2] [nchar](10) NOT NULL,
    [CLAVE3] [nchar](10) NOT NULL,
    [CLAVE4] [nchar](10) NOT NULL,
    [tema] [nchar](3) NULL,
    [texto1] [nchar](70) NULL,

```

```

        [texto2] [nchar](70) NULL,
        [texto3] [nchar](70) NULL,
        [texto4] [nchar](70) NULL,
        [texto5] [nchar](70) NULL,
    CONSTRAINT [PK_OBSARTIFC] PRIMARY KEY CLUSTERED
    (
        [CLAVE1] ASC,
        [CLAVE2] ASC,
        [CLAVE3] ASC,
        [CLAVE4] ASC
    )WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
    ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
    ) ON [PRIMARY]
GO
/***** Objeto: Table [dbo].[udsseqifc] Fecha de la secuencia de comandos:
08/20/2008 00:22:45 *****/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[udsseqifc](
    [CLAVE1] [nchar](10) NOT NULL,
    [CLAVE2] [nchar](10) NOT NULL,
    [CLAVE3] [nchar](10) NOT NULL,
    [califeq] [nchar](3) NULL,
    [ideq] [nchar](17) NULL,
    [agresp] [nchar](3) NULL,
    [proveq] [nchar](3) NULL,
    [indeq] [nchar](3) NULL,
    [udseq] [numeric](15, 0) NULL,
    [eqvacio] [nchar](17) NULL,
    [rrsocial] [nchar](70) NULL,
    [rcalle] [nchar](35) NULL,
    [rciudad] [nchar](35) NULL,
    [rcp] [nchar](9) NULL,
    [destinatario] [nchar](17) NULL,
    [drsocal] [nchar](70) NULL,
    [dcalle] [nchar](35) NULL,
    [dpoblac] [nchar](35) NULL,
    [dcp] [nchar](9) NULL,
    [rpropietario] [nchar](17) NULL,
    [rsocial] [nchar](70) NULL,
    [calle] [nchar](35) NULL,
    [poblac] [nchar](35) NULL,
    [cp] [nchar](9) NULL,
    CONSTRAINT [PK_UDSSEQIFC] PRIMARY KEY CLUSTERED
    (
        [CLAVE1] ASC,
        [CLAVE2] ASC,
        [CLAVE3] ASC
    )WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
    ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
    ) ON [PRIMARY]
GO
/***** Objeto: Table [dbo].[agrucoifc] Fecha de la secuencia de comandos:
08/20/2008 00:22:06 *****/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[agrucoifc](

```

[CLAVE1] [nchar](10) NOT NULL,
 [CLAVE2] [nchar](10) NOT NULL,
 [CLAVE3] [nchar](10) NOT NULL,
 [NUMEMB] [nchar](25) NULL,
 [TYPEEMB] [nchar](17) NULL,
 [CALIFMAN] [nchar](3) NULL,
 [TEMPALM] [nchar](3) NULL,
 [TEMPTRANS] [nchar](3) NULL,
 [UDSTEMP] [nchar](3) NULL,
 [LIMITINF] [numeric](18, 0) NULL,
 [LIMITSUP] [numeric](18, 0) NULL,
 [CALIFUN1] [nchar](3) NULL,
 [NUMART1] [nchar](35) NULL,
 [AGRESART1] [nchar](3) NULL,
 [CALIFUN2] [nchar](3) NULL,
 [NUMART2] [nchar](35) NULL,
 [AGRESART2] [nchar](3) NULL,
 [CALIFUN3] [nchar](3) NULL,
 [NUMART3] [nchar](35) NULL,
 [AGRESART3] [nchar](3) NULL,
 [CALIFUN4] [nchar](3) NULL,
 [NUMART4] [nchar](35) NULL,
 [AGRESART4] [nchar](3) NULL,
 [CALIFUN5] [nchar](3) NULL,
 [NUMART5] [nchar](35) NULL,
 [AGRESART5] [nchar](3) NULL,
 [MEDIDA1] [numeric](18, 0) NULL,
 [UDSMED1] [nchar](3) NULL,
 [SIGMED1] [nchar](3) NULL,
 [MEDINF1] [numeric](18, 0) NULL,
 [MEDSUP1] [numeric](18, 0) NULL,
 [MEDIDA2] [numeric](18, 0) NULL,
 [UDSMED2] [nchar](3) NULL,
 [SIGMED2] [nchar](3) NULL,
 [MEDINF2] [numeric](18, 0) NULL,
 [MEDSUP2] [numeric](18, 0) NULL,
 [MEDIDA3] [numeric](18, 0) NULL,
 [UDSMED3] [nchar](3) NULL,
 [SIGMED3] [nchar](3) NULL,
 [MEDINF3] [numeric](18, 0) NULL,
 [MEDSUP3] [numeric](18, 0) NULL,
 [MEDIDA4] [numeric](18, 0) NULL,
 [UDSMED4] [nchar](3) NULL,
 [SIGMED4] [nchar](3) NULL,
 [MEDINF4] [numeric](18, 0) NULL,
 [MEDSUP4] [numeric](18, 0) NULL,
 [DIMLONGT] [numeric](15, 0) NULL,
 [DIMALTT] [numeric](15, 0) NULL,
 [DIMANCT] [numeric](15, 0) NULL,
 [DIMLONG] [numeric](15, 0) NULL,
 [DIMANC] [numeric](15, 0) NULL,
 [DIMALT] [numeric](15, 0) NULL,
 [UDSDIM] [nchar](3) NULL,
 [NUMIDEQ] [nchar](17) NULL,
 [REGMP] [nchar](8) NULL,
 [CODRIES] [nchar](7) NULL,
 [UNDG] [numeric](4, 0) NULL,
 [GRADPEL] [nchar](1) NULL,
 [CONTACTO] [nchar](35) NULL,
 [NUMCOMO] [nchar](70) NULL,
 [CONTACTE] [nchar](35) NULL,

```

        [NUMCOME] [nchar](70) NULL,
        [PESNETMP] [numeric](18, 0) NULL,
        [VOLNETMP] [numeric](18, 0) NULL,
        [UNIDMPPE$] [numeric](15, 0) NULL,
        [UNIDMPVOL] [numeric](15, 0) NULL,
    CONSTRAINT [PK_agrucoifc] PRIMARY KEY CLUSTERED
    (
        [CLAVE1] ASC,
        [CLAVE2] ASC,
        [CLAVE3] ASC
    ) WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
    ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
    ) ON [PRIMARY]
GO

```

3.2.1. Error handling

All error must be inserted on GILOG table on MS-SQL. If MS-SQL is not accessible, generate a flat file named GILOG.TXT with same information.

```

USE [integra]
GO
/***** Objeto: Table [dbo].[GILOG] Fecha de la secuencia de comandos:
08/20/2008 00:35:24 *****/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[GILOG](
    [ERRORCODE] [nchar](10) NULL,
    [Errordescripcion] [nchar](250) NULL,
    [Date] [datetime] NULL,
    [File] [nchar](250) NULL,
    [recno] [nchar](10) NULL,
    [Table] [nchar](30) NULL
) ON [PRIMARY]

```

Values:

```

ERRORCODE -> Error code
Errordescripcion -> Error description
Date -> Date and time when error was generated
File -> file being integrated at error time
Recno -> Record number of file being integrated at error time
Table -> table being inserted at error time

```

4. Functional Specification Team

4.1. Individuals Involved

Name	Role	Contact Details
M. Fierro	IT Director	IT – Gerposa

4.2. Meetings

Date	Location	Attendees
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5. Complications / Issues

Not all the files will be included in the test. We will provide examples for the following types:

AGRUCOIFC.TXT

CABIFC.TXT

CONSIFC.TXT

CONTCOIFC.TXT

FECCOIFC.TXT

MGRUPIFC.TXT

NADCOIFC.TXT

Don't expect any other file type for testing.

6. Developments Not Covered in this Specification

7. Additional Specification

7.1. Assumptions

7.2. Timescales

This development must be delivered in 96 hours after being awarded.

7.3. Future

8. Testing Requirements

8.1. Quality Control Testing

To be immediately tested after being delivered. Testing process will take 24 hours.

8.2. User Acceptance Testing

To include all areas indicated in the development required.

9. Estimate

10. Document Signoff

10.1. Systems Development Signoff

Analyst *Name Printed*

Signature

Development or Project Manager *Name Printed*

Signature

IT Director (If Applicable) *Name Printed*

Signature

10.2. Business Signoff

End User / Requestor *Name Printed*

Signature

Project Sponsor *Name Printed*

Signature

Director / Senior Management *Signature*

Order Number (CA or PO)