CONSEJO FEDERAL DE INVERSIONES
PROVINCIA DE BUENOS AIRES

Sistema de indicadores sociales y económico-financieros para el diagnóstico del funcionamiento de municipios.

Informe de avance.

Software para almacenamiento de la información y su utilización en bases de datos.

Fundación Encuentro Bonaerense

Abril de 1997

El desarrollo del software acentuó principalmente los aspectos de la interfaz de carga de datos y para la consulta de la información.

El ambiente de desarrollo se pensó orientarlo hacia la interfaz gráfica de Windows, y el administrador de bases de datos seleccionado es Visual FoxPro, software de desarrollo visual con gran velocidad de proceso en base de datos gracias a la tecnología RushMore, perteneciente al mismo Microsoft, lo cual nos asegura robustez y estabilidad en cuanto al sistema desarrollado.

Visual FoxPro 3.0 introdujo varios desarrollos claves incluyendo:

Características de orientación a objetos, incluyendo clases, polimorfismo y herencia, y soporte de herramientas visuales para facilitar la creación y reusabilidad de objetos.

Nuevo paradigma de desarrollo cliente/servidor, permitiendo al usuario desarrollo local y distribución remota.

Soporte de diccionario de datos, el cual centraliza la lógica de la base de datos.

Durante el movimiento desde un paradigma procedural hacia el paradigma orientado a objetos, Visual FoxPro redujo su enfoque sobre el lenguaje xbase, el cual a mediados de 1995 ha comenzado a declinar en popularidad.

La familia de herramientas visuales de Microsoft

Visual FoxPro es un miembro de la familia de herramientas visuales de Microsoft, la cual también incluye el sistema de programación Visual Basic ® , Visual C++ ® , Visual J++ (TM) , y Microsoft Access. Estas herramientas comparten un foco común para facilitar la integración de tecnología Internet y soluciones cliente/servidor. Estas herramientas visuales son:

Escalables. Herramientas para construir aplicaciones que se escalan para encontrar las necesidades desde aplicaciones "stand alone" hasta Web-Sites interactivos para soluciones de terceras empresas.

Abiertas. Soluciones de elección disponible, flexibilidad y "cross-plataform" soportando estándares grandemente adoptadas por clientes.

Comprensivas. Gran cantidad y variedad de herramientas tecnologías y servicios de soportes para ayudar en la maximización de la productividad.

Visual FoxPro aporta particularmente a la familia de herramientas visuales de Microsoft lo siguiente:

Un juego de herramientas orientadas a objetos para crear componentes reusables.

Un juego de herramientas de centralización de datos con un motor de base de datos local robusto y orientación cliente/servidor.

Ambiente poderoso de manipulación interactiva de datos.

La familia de herramientas visuales esta envuelta en un mundo de variados componentes y herramientas compartidas, donde prevalece una alta reducción de interoperatividad, y aplicaciones que fácilmente toman ventajas de las múltiples ventajas que se acompañan. Visual FoxPro 5.0 representa un paso gigante para los desarrollos, con su soporte para controles ActiveX, creación de Automation Server, y otras características de interoperatibilidad, extensibilidad y conectividad

Tendencias en cuanto a las base de datos:

Las tendencias claves en la categoría de las bases de datos son:

Rápida adopción de tecnologías de intranets e internet y modelos distribuidos ("Browser/Server"). Los clientes están demandando la habilidad para migrar aplicaciones de base de datos hacia la nueva arquitectura basada en Web, incluso la habilidad para colectar datos sobre el Web, actualizar datos existentes y actualizar la lógica de las aplicaciones existentes utilizando "front-ends" basados en Browser.

Adopción continua de arquitectura cliente/servidor, incluyendo cliente/servidor de "tree-tier". En este modelo emergente ayuda a que los negocios respondan rápidamente cuando cambian las reglas, pues están construidos con herramientas de alto nivel y la lógica esta centralizada.

Demanda continua para datos distribuidos para soportar oficinas remotamente, desconectadas o intermitentemente conectadas y gente de ubicaciones geográficas diferentes.
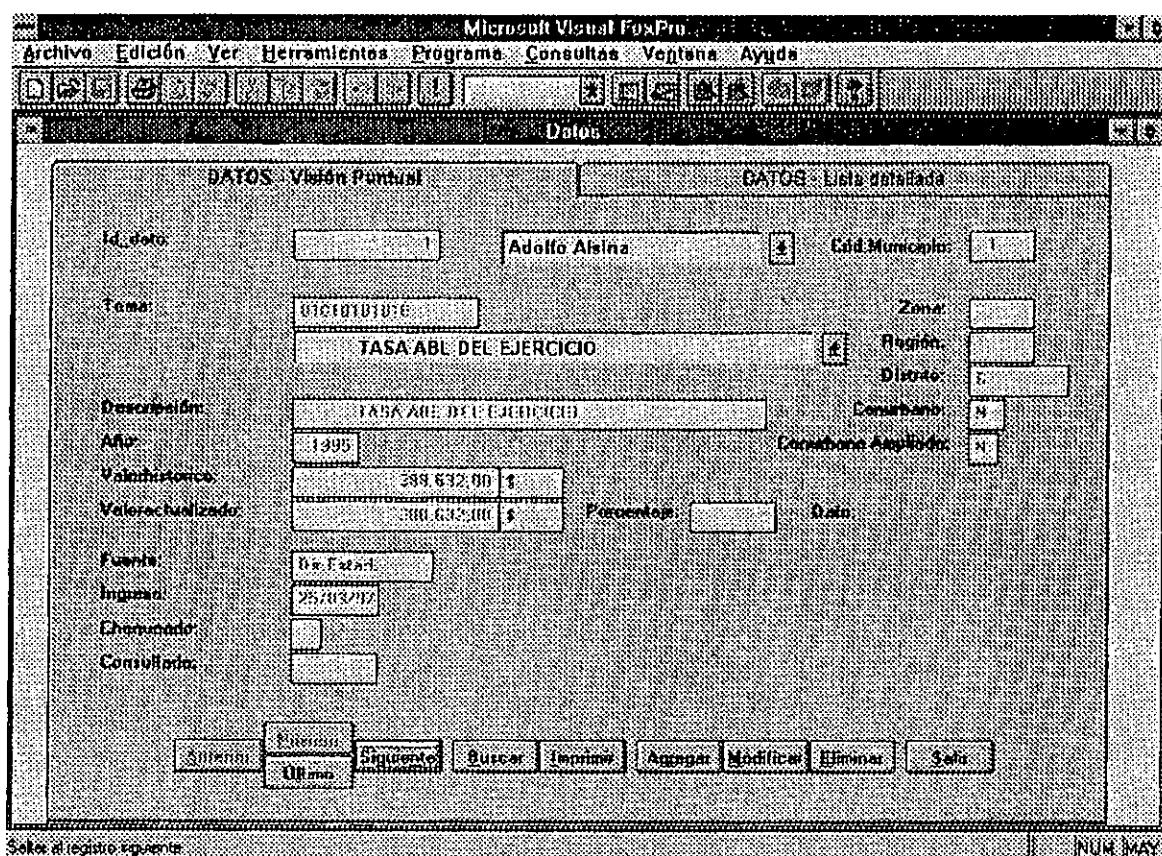
Data Warehousing/Data mining. Las organizaciones están buscando herramientas de desarrollo para construir Front-ends para enormes almacenamientos de datos, para sumar y analizar la información, mientras minimizan el impacto sobre su infraestructura de red sobrecargada.

Demanda continua para mejorar la productividad en desarrollos y coordinación de equipos de desarrollo.

Demanda continua para acceso muy rápido a los datos.
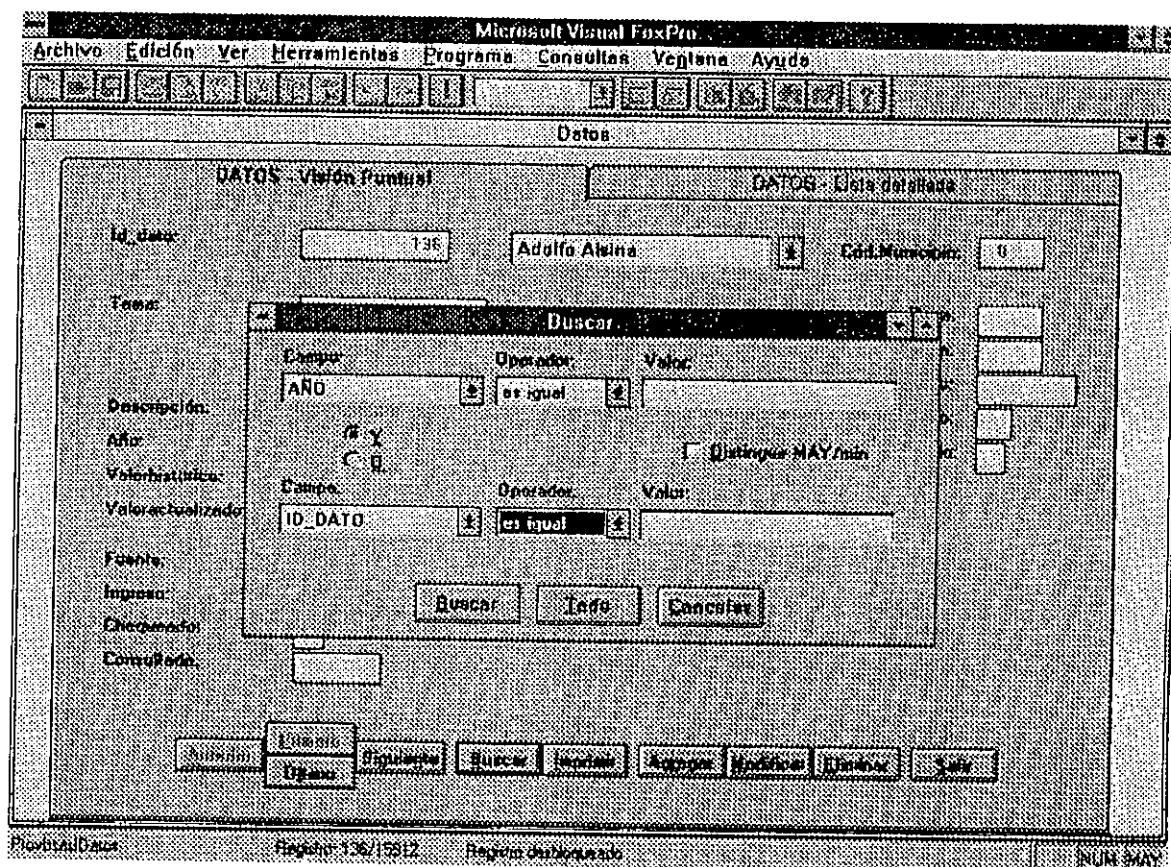
Visual FoxPro esta muy bien posicionado para encontrarse con estos necesidades, y provee soluciones para los requerimientos de los desarrolladores de bases de datos de hoy.

La interfaz y sus características en lo referente a la carga de datos, se diseñó de manera súmamente ágil y estandarizada a fin de preveer incluso el ingreso de datos de variado formato. Botones de desplazamiento y actualización de la información e incluso la característica OLE (object linking and embeding) de Windows han sido implementados. Gracias a ello, se pueden ingresar en el campo dato (de tipo general) planillas de cálculo, texto, imágenes, sonido, etc. Incluso, es destacable que el ambiente Windows es el marco ideal para la recolección de los datos mediante Scanners y la utilizacion de software para el reconocimiento óptico de caracteres.

El formulario para el ingreso de los datos permite visualizar una vantana donde se pueden observar dos grandes sectores de un pageframe: El

que permite una visión puntual de los datos y el que muestra una lista detallada de los mismos.
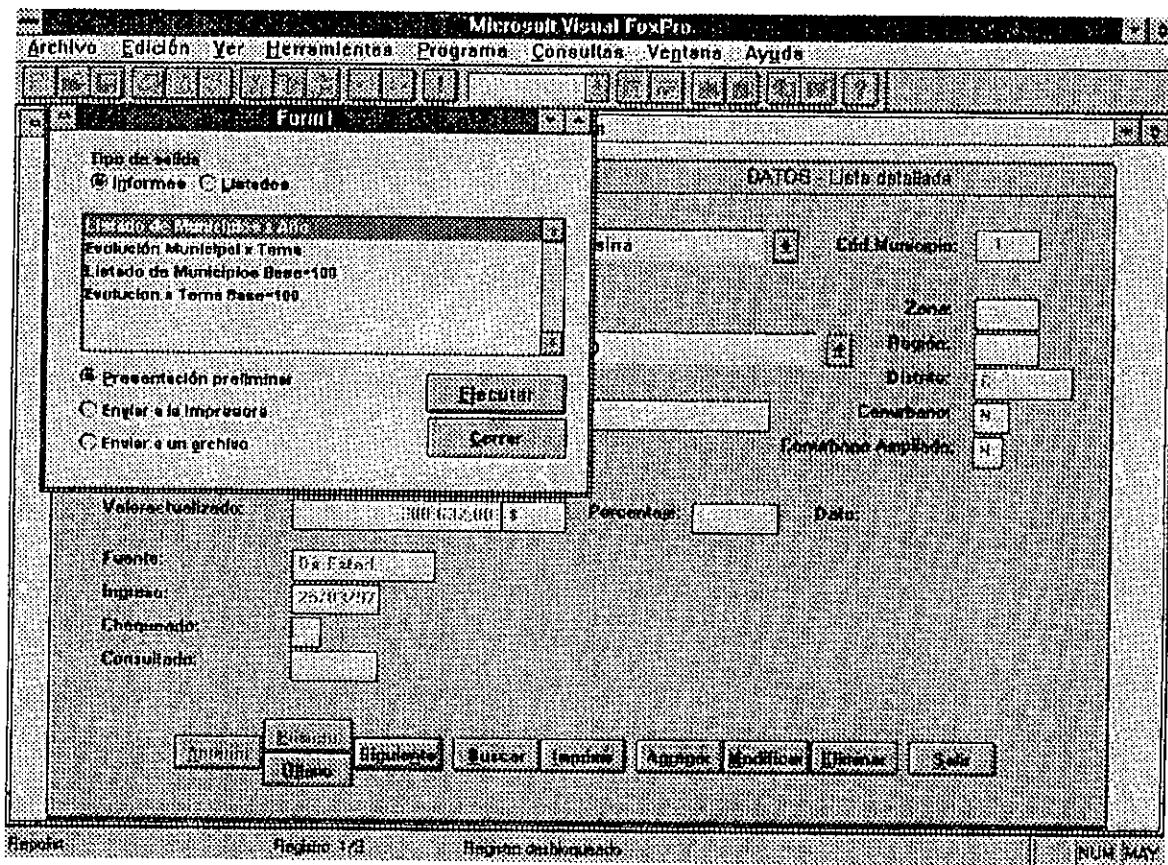
La página correspondiente a la visión puntual de los datos muestra un grupos de botones que permiten el desplazamiento dentro de los registros de la base de datos y a la vez controlan la actualizacion de la misma. Destacamos la alternativa de permitir "Buscar"registros que cumplan con una condición. Este boton de comando de forma muy sencilla cubre requerimientos cotidianos de forma sumamente fácil y sencilla. También destacamos la posibilidad de insertar un objeto en el campo "Dato", mediante un control OLE se puede vincular o grabar un archivo que contenga cualquier objeto OLE dentro del ambiente de trabajo del operador.

Archivo Edición Ver Herramientas Programa Consultas Ventana Ayuda

Datos

DATOS Visión Puntual   DATOS Lista Detallada

Cód	Tema	Año	Valor Actualizado	Unid.Medida	Fuente	F.Ingreso	Punt
1	010101010101	1995	308632,00	$	Dir.Estad.	25/03/97	
2	010101010101	1995	225715,00	$	Dir.Estad.	25/03/97	
3	010101010101	1995	11009448,00	$	Dir.Estad.	25/03/97	
4	010101010101	1995	25596404,00	$	Dir.Estad.	25/03/97	
5	010101010101	1995	0,00	$	Dir.Estad.	25/03/97	
6	010101010101	1995	1704590,00	$	Dir.Estad.	25/03/97	
7	010101010101	1995	15032863,00	$	Dir.Estad.	25/03/97	
8	010101010101	1995	1410366,00	$	Dir.Estad.	25/03/97	
9	010101010101	1995	1076145,00	$	Dir.Estad.	25/03/97	
10	010101010101	1	0,00	$	Dir.Estad.	25/03/97	
11	010101010101	1995	5815219,00	$	Dir.Estad.	25/03/97	
12	010101010101	1995	2037891,00	$	Dir.Estad.	25/03/97	
13	010101010101	1995	382279,00	$	Dir.Estad.	25/03/97	
14	010101010101	1995	0,00	$	Dir.Estad.	25/03/97	
15	010101010101	1995	487675,00	$	Dir.Estad.	25/03/97	
16	010101010101	1995	1351523,00	$	Dir.Estad.	25/03/97	
17	010101010101	1995	0,00	$	Dir.Estad.	25/03/97	
18	010101010101	1995	0,00	$	Dir.Estad.	25/03/97	

La página correspondiente a la lista detallada muestra una poderosa grilla capaz de particionar el despliegue a fin de facilitar la visualización de los datos, intercalar el orden de las columnas, desplazarse entre los distintos registros mediante un "ascensor" de desplazamiento, o desplazarse entre las distintas columnas mediante la barra de desplazamiento horizontal. Una vez marcado un registro si volvemos a la pagina de vision puntual, el registro desplegado es el marcado desde la grilla de la pagina de lista detallada.

La interfaz para la consulta esta orientada a usuarios que sin complicaciones puedan obtener por pantalla o impresora (o grabando hacia algún archivo) detalles de las distintas informaciones existentes, cálculos, estadísticas, rankings, totales evolutivos, etc., que pueden ser filtrados por municipio, tema, año, condicionados, agrupados y ordenados de formas alternativas.
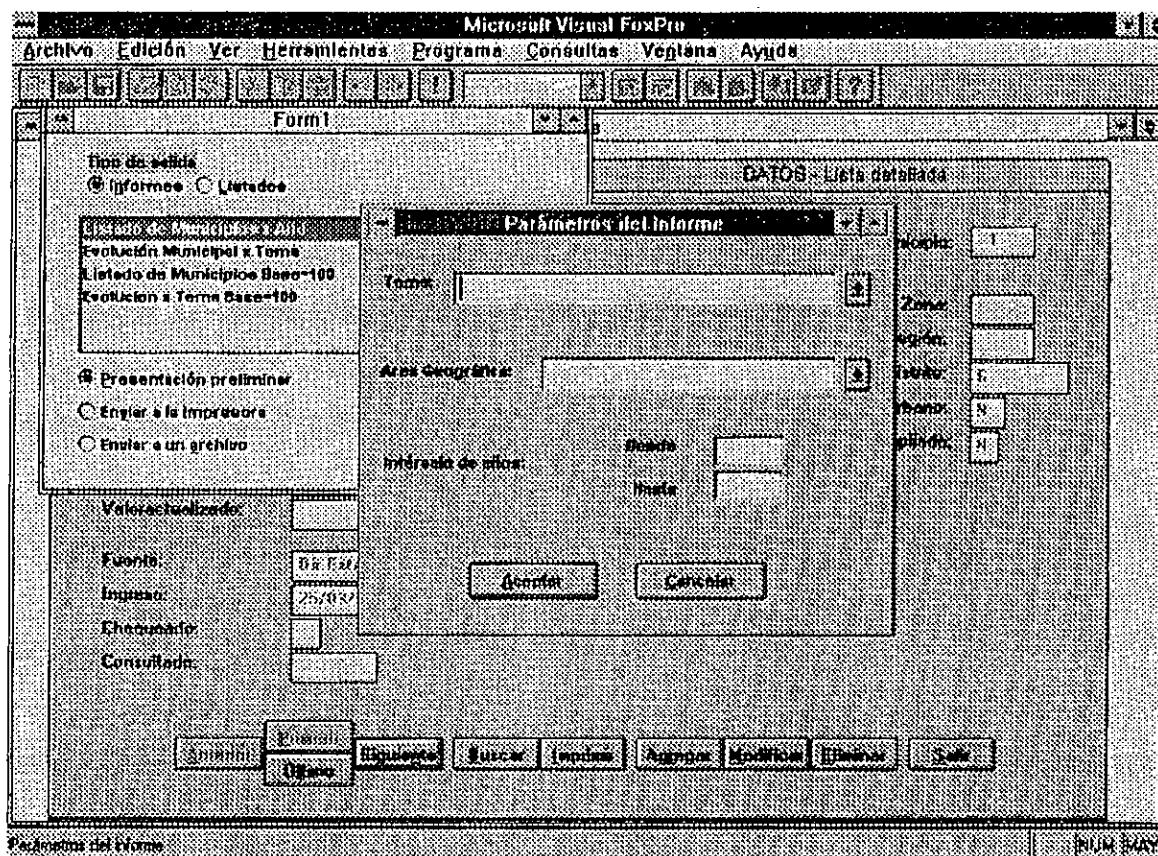
L a interfaz para obtener impresos permite seleccionar el tipo de salida: sean esta listas o informes.

Los informes muestran informacion procesada tales como Listados de Municipios por año, Evolución Municipal por rubro, Listados por grupo de municipios, Listado de municipio Base = 100, evolucion por rubros base = 100.

las listas muestran detalles de archivos con datos simples tales como los correspondients a las base de temas, municipios, etc. generalmente compuestas de un código y una descripción.

Como destino se puede seleccionar tanto una vision preliminar en pantalla, una impresión sobre la impresora que se desee y/o grabar dicho listado en un archivo en disco a imagen de lo que saldría impreso.

Dos botones permiten aceptar la seleccion presente o cancelar la operación a fin de volver a la ventana de administracion de los datos.

Este diálogo permite al operador ingresar condiciones a fin de obtener un informe de acuerdo a los parametros referidos tanto a un tema, una area geografica o municipio y un intervalo de años.

Si no se ingresan parametros los topicos planteados abarcaran a la totalidad de opciones que cada uno de ellos maneja.

NOTAS TECNICAS DEL DESARROLLO:

Este informe se refiere a los logros actualmente logrados. Vale dejar abierta la posibilidad de nuevos logros y avances en la medida que aparezcan nuevo tipo de datos a registrar, nuevos requerimientos y ajustes por parte de los operadores del sistema. La etapa de ajustes que se avecina nos permitirá lograr una mejor adecuacion a los requisitos detallados del sistema.

El mismo abarca la lista de archivos componentes del proyecto, su diagrama de accion y su estructura de arbol.

LISTA DE ARCHIVOS COMPONENTES DEL PROYECTO

FILE
DATOSING.SCX
DATOS.MNX
DATOS.MPR
LISTCONA.FRX
LISTCONU.FRX
LISTMUNI.FRX
LISTTEMA.FRX
MUNXANO.FRX
MUNXRUB.FRX
PARA.SCX
PROVBSAS.DBC
REPORTS.SCX
TEMAS.SCX
TSBASE.VCX
WIZARDS\WIZSTYLE.VCX

Database Database
                      Version   10
Database TransactionLog
Database StoredProceduresSource
Database StoredProceduresObject
Table   datos
                      Path   datos.dbf
                      PrimaryKey   id_dato
Index   seccionele
                      Unique   0
Index   fuente
                      Unique   0
Index   id_dato
                      Unique   1
Index   conurbano
                      Unique   0

Index   conurbanoa

Unique   0

Index   zona

Unique   0

Index   region

Unique   0

Index   distrito ·

Unique   0

Index   unimedh

Unique   0

Index   unimeda

Unique   0

Relation Relation 3

RelatedChild   conurbano
RelatedTable   conurb
RelatedTag   conurbano

Relation Relation 4

RelatedChild   conurbanoa
RelatedTable   conurbam
RelatedTag   conurbanoa

Relation Relation 5

RelatedChild   fuente
RelatedTable   fuentes
RelatedTag   fuente

Relation Relation 6

RelatedChild   zona
RelatedTable   zonas
RelatedTag   zona

Relation Relation 7

RelatedChild   region
RelatedTable   regiones
RelatedTag   region

Relation Relation 8

RelatedChild   distrito
RelatedTable   distrito
RelatedTag   distrito

Relation Relation 9

RelatedChild   unimedh
RelatedTable   unimed
RelatedTag   unidadmedi

Relation Relation 10

RelatedChild   unimeda

RelatedTable   unimed
RelatedTag   unidadmedi

Index   tema
                Unique   0
Index   munxano
                Unique   0
Index   munxrub
                Unique   0
Field   id_dato   ID_DATO   N   10   0
                Caption   Id. Dato
Field   seccionele   SECCIONELE C   3   0
                Caption   Código de Municipio
Field   conurbano   CONURBANO   C   1   0
                Caption   Conurbano
Field   conurbanoampliado   CONURBANOAM C   1   0
                Caption   Conurbano Ampliado
Field   zona   ZONA   C   3   0
                Caption   Zona
Field   region   REGION   C   3   0
                Caption   Región
Field   distrito   DISTRITO   C   5   0
                Caption   Distrito
Field   tema   TEMA   C   12   0
                Caption   Tema
Field   año   AÑO   C   4   0
                Caption   Año
Field   valoractualizado   VALORACTUAL N   15   2
                Caption   Valor Actualizado
Field   unidadmedidaa   UNIDADMEDID C   3   0
                Caption   Unid.Medida
Field   porcentaje   PORCENTAJE N   6   2
                Caption   Porcentaje
Field   fuente   FUENTE   C   10   0
                Caption   Fuente
Field   ingreso   INGRESO   D   8   0
                Caption   F.Ingreso
Field   chequeado   CHEQUEADO   C   1   0
                Caption   Chequeado
Field   consultado   CONSULTADO N   6   0
                Caption   Consultado

Field	descripcio	DESCRIPCIO	C	40	0
	Caption	Descripción			
Field	dato	DATO	G	4	0
	Caption	Dato			
Field	valorhistorico	VALORHISTOR	N	15	2
	Caption	Valor histórico			
Field	unidadmedidah	UNIDADMEDID	C	3	0
	Caption	Unidad medida			

Table   seccion
            Path   seccion.dbf
Index   descripcio
            Unique   0
Index   seccionele
            Unique   1

Field	seccionele	SECCIONELE	C	3	0
	Caption	Código de municipio			
Field	descripcion	DESCRIPCION	C	20	0
	Caption	Descripción			
Field	municipio	MUNICIPIO	C	30	0
	Caption	Municipio			
Field	conurbano	CONURBANO	C	1	0
	Caption	Conurbano			
Field	conurbanoampliado	CONURBANOAM	C	1	0
	Caption	Conurbano Ampliado			
Field	zona	ZONA	C	3	0
	Caption	Zona			
Field	region	REGION	C	3	0
	Caption	Región			
Field	distrito	DISTRITO	C	5	0
	Caption	Distrito			

Table   conurb
            Path   conurb.dbf
            PrimaryKey   conurbano

Field	conurbano	CONURBANO	C	1	0
	Caption	Conurbano			
Field	descripcion	DESCRIPCION	C	20	0
	Caption	Descripción			

Index   conurbano
                 Unique   1
Index   descripcio
                 Unique   0

Table   conurbam
                 Path   conurbam.dbf
                 PrimaryKey   conurbanoa
Field   conurbanoampliado   CONURBANOAM C   1   0
                 Caption   Conurbano Ampliado
Field   descripcion   DESCRIPCION C   20   0
                 Caption   Descripción
Index   conurbanoa
                 Unique   1
Index   descripcio
                 Unique   0

Table   fuentes
                 Path   fuentes.dbf
                 PrimaryKey   fuente
Field   fuente   FUENTE   C   10   0
                 Caption   Fuente
Field   descripcion   DESCRIPCION C   30   0
                 Caption   Descripción
Index   fuente
                 Unique   1
Index   descripcio
                 Unique   0

Table   zonas
                 Path   zonas.dbf
                 PrimaryKey   zona
Field   zona   ZONA   C   3   0
                 Caption   Zona
Field   descripcion   DESCRIPCION C   20   0
                 Caption   Descripción
Index   zona
                 Unique   1
Index   descripcio

Unique   0

Table   regiones
                    Path   regiones.dbf
                    PrimaryKey   region
    Field   region   REGION   C   3   0
                    Caption   Región
    Field   descripcion   DESCRIPCION C   20   0
                    Caption   Descripción
    Index   region
                    Unique   1
    Index   descripcio
                    Unique   0

Table   distrito
                    Path   distrito.dbf
                    PrimaryKey   distrito
    Field   distrito   DISTRITO   C   5   0
                    Caption   Distrito
    Field   descripcion   DESCRIPCION C   20   0
                    Caption   Descripción
    Index   distrito
                    Unique   1
    Index   descripcio
                    Unique   0

Table   temas
                    Path   temas.dbf
    Index   descripcio
                    Unique   0
    Field   tema   TEMA   C   12   0
                    Caption   Tema
    Field   descripcion   DESCRIPCION C   40   0
                    Caption   Descripción
    Index   tema
                    Unique   0

Table   unimed

```
              Path          unimed.dbf
              PrimaryKey      unidadmedi
Field   unidadmedida            UNIDADMEDID C      3      0
              Caption      Unidad de medida
Field   descripcion             DESCRIPCION C     20      0
              Caption      Descripción
Index   unidadmedi
              Unique      1
Index   descirpcio
              Unique      0
```

Total de líneas de código procesadas=   5596

DIAGRAMA DE ACCION DEL PROYECTO

```
        Left = 10
        Top = 278
        Width = 400
        Height = 119
        Name = "Dataenvironment"
        Alias = "datos"
        BufferModeOverride = 3
        Database = provbsas.DBC
        CursorSource = "datos"
        Name = "Cursor1"
        Top = 0
        Left = 0
        Height = 574
        Width = 793
        DoCreate = .T.
        BufferMode = 0
        Caption = "Datos"
        WindowState = 2
        cañodde =
        cañohas =
        ctema =
        careageo =
        Name = "datos"
+-------PROCEDURE Load
|          DO datos.mpr
+-------ENDPROC
+-------PROCEDURE Unload
|          Release PAD Consultas OF _MSYSMENU
|          SET SYSMENU TO Default
|
+-------ENDPROC
        ErasePage = .T.
        PageCount = 2
        ActivePage = 1
        Top = 12
        Left = 24
        Width = 733
        Height = 469
```

```
        Name = "Pageframe1"
        Page1.Caption = "DATOS - Visión Puntual"
        Page1.Name = "Page1"
        Page2.Caption = "DATOS - Lista detallada"
        Page2.Name = "Page2"
+-------PROCEDURE Page1.Activate
|          thisform.Refresh()
|
+-------ENDPROC
        Alignment = 0
        Caption = "Id_dato:"
        Left = 33
        Top = 22        .
        Visible = .T.
        Width = 116
        TabIndex = 1
        Name = "LBLID_DATO1"
        Alignment = 1
        Value = 1
        ControlSource = "datos.id_dato"
        Enabled = .F.
        InputMask = "9,999,999,999"
        Left = 165
        TabIndex = 2
        Top = 22
        Visible = .T.
        Width = 102
        Name = "ID_DATO1"
        Caption = "Cód.Municipio:"
        Height = 15
        Left = 537
        Top = 26
        Visible = .T.
        Width = 85
        TabIndex = 3
        Name = "LBLSECCIONELE1"
        Alignment = 3
        Value = 1
        ControlSource = "datos.seccionele"
        Enabled = .F.
        InputMask = "XXX"
        Left = 633
```

TabIndex = 4
Top = 22
Visible = .T.
Width = 45
Name = "SECCIONELE1"
Caption = " Conurbano:"
Height = 15
Left = 549
Top = 142
Visible = .T.
Width = 69
TabIndex = 7
Name = "LBLCONURBANO1"
Value =
ControlSource = "datos.conurbano"
Enabled = .F.
Height = 22
InputMask = "X"
Left = 633
TabIndex = 8
Top = 142
Visible = .T.
Width = 25
Name = "CONURBANO1"
Caption = "Conurbano Ampliado:"
Height = 15
Left = 501
Top = 166
Visible = .T.
Width = 121
TabIndex = 9
Name = "LBLCONURBANOAMPLIADO1"
Value =
ControlSource = "datos.conurbanoampliado"
Enabled = .F.
InputMask = "X"
Left = 633
TabIndex = 10
Top = 166
Visible = .T.
Width = 21
Name = "CONURBANOAMPLIADO1"

```
Caption = "Zona:"
Height = 15
Left = 585
Top = 70
Visible = .T.
Width = 37
TabIndex = 11
Name = "LBLZONA1"
Value =
ControlSource = "datos.zona"
Enabled = .F.
InputMask = "XXX"
Left = 633
TabIndex = 12
Top = 70
Visible = .T.
Width = 45
Name = "ZONA1"
Caption = "Región:"
Height = 15
Left = 573
Top = 94
Visible = .T.
Width = 53
TabIndex = 13
Name = "LBLREGION1"
Value =
ControlSource = "datos.region"
Enabled = .F.
InputMask = "XXX"
Left = 633
TabIndex = 14
Top = 94
Visible = .T.
Width = 45
Name = "REGION1"
Caption = "Distrito:"
Height = 15
Left = 573
Top = 118
Visible = .T.
Width = 49
```

TabIndex = 15
Name = "LBLDISTRITO1"
Value =
ControlSource = "datos.distrito"
Enabled = .F.
InputMask = "XXXXX"
Left = 633
TabIndex = 16
Top = 118
Visible = .T.
Width = 69
Name = "DISTRITO1"
Caption = "Ingreso:"
Height = 15
Left = 33
Top = 274
Visible = .T.
Width = 53
TabIndex = 17
Name = "LBLINGRESO1"
Alignment = 3
Value = {25/03/97}
ControlSource = "datos.ingreso"
Enabled = .F.
Left = 165
TabIndex = 18
Top = 274
Visible = .T.
Width = 61
Name = "INGRESO1"
Caption = "Tema:"
Height = 15
Left = 33
Top = 70
Visible = .T.
Width = 49
TabIndex = 19
Name = "LBLTEMA11"
Value = INGRESOS
ControlSource = "datos.tema"
Enabled = .F.
InputMask = "XXXXXXXXXXX"

Left = 165
TabIndex = 20
Top = 70
Visible = .T.
Width = 129
Name = "TEMA1"
Caption = "Fuente:"
Height = 15
Left = 33
Top = 250
Visible = .T.
Width = 57
TabIndex = 25
Name = "LBLFUENTE1"
Value = DIR.Estad.
ControlSource = "datos.fuente"
Enabled = .F.
InputMask = "XXXXXXXXXX"
Left = 165
TabIndex = 26
Top = 250
Visible = .T.
Width = 99
Name = "FUENTE1"
Caption = "Chequeado:"
Height = 15
Left = 33
Top = 298
Visible = .T.
Width = 73
TabIndex = 27
Name = "LBLCHEQUEADO1"
Value =
ControlSource = "datos.chequeado"
Enabled = .F.
InputMask = "X"
Left = 165
TabIndex = 28
Top = 298
Visible = .T.
Width = 21
Name = "CHEQUEADO1"

Caption = "Consultado:"
Height = 15
Left = 33
Top = 322
Visible = .T.
Width = 69
TabIndex = 29
Name = "LBLCONSULTADO1"
Alignment = 1
Value = 0
ControlSource = "datos.consultado"
Enabled = .F.
InputMask = "999,999"
Left = 165
TabIndex = 30
Top = 322
Visible = .T.
Width = 60
Name = "CONSULTADO1"
Caption = "Descripción:"
Height = 15
Left = 33
Top = 142
Visible = .T.
Width = 73
TabIndex = 31
Name = "LBLDESCRIPCIO1"
Value =
ControlSource = "datos.descripcio"
Enabled = .F.
InputMask =
"XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX"
Left = 165
TabIndex = 32
Top = 142
Visible = .T.
Width = 329
Name = "DESCRIPCIO1"
Caption = "Dato:"
Height = 15
Left = 525
Top = 214

Visible = .T.
Width = 37
TabIndex = 33
Name = "LBLDATO1"
Top = 238
Left = 525
Height = 100
Width = 150
Visible = .T.
TabIndex = 34
Enabled = .F.
ControlSource = "datos.dato"
Name = "DATO1"
Caption = "Valorhistorico:"
Height = 15
Left = 33
Top = 190
Visible = .T.
Width = 98
TabIndex = 35
Name = "LBLVALORHISTORICO1"
Alignment = 1
Value = 388632.00
ControlSource = "datos.valorhistorico"
Enabled = .F.
InputMask = "999,999,999,999.99"
Left = 165
TabIndex = 36
Top = 190
Visible = .T.
Width = 144
Name = "VALORHISTORICO1"
Value = $
ControlSource = "datos.unidadmedidah"
Enabled = .F.
InputMask = "XXX"
Left = 309
TabIndex = 37
Top = 190
Visible = .T.
Width = 45
Name = "UNIDADMEDIDAH1"

Caption = "Valoractualizado:"
Height = 15
Left = 33
Top = 214
Visible = .T.
Width = 110
TabIndex = 38
Name = "LBLVALORACTUALIZADO1"
Alignment = 1
Value = 388632.00
ControlSource = "datos.valoractualizado"
Enabled = .F.
InputMask = "999,999,999,999.99"
Left = 165
TabIndex = 39
Top = 214
Visible = .T.
Width = 144
Name = "VALORACTUALIZADO1"
Value = $
ControlSource = "datos.unidadmedidaa"
Enabled = .F.
InputMask = "XXX"
Left = 309
TabIndex = 40
Top = 214
Visible = .T.
Width = 45
Name = "UNIDADMEDIDAA1"
Caption = "Porcentaje:"
Height = 15
Left = 369
Top = 214
Visible = .T.
Width = 74
TabIndex = 41
Name = "LBLPORCENTAJE1"
Alignment = 1
Value = 0.00
ControlSource = "datos.porcentaje"
Enabled = .F.
InputMask = "999.99"

```
Left = 441
TabIndex = 42
Top = 214
Visible = .T.
Width = 60
Name = "PORCENTAJE1"
Caption = "Año:"
Height = 15
Left = 33
Top = 166
Visible = .T.
Width = 38
TabIndex = 43
Name = "LBLAÑO1"
Alignment = 1
Value = 1995
ControlSource = "datos.año"
Enabled = .F.
InputMask = "XXXX"
Left = 165
TabIndex = 44
Top = 166
Visible = .T.
Width = 46
Name = "AÑO1"
Top = 358
Left = 81
Width = 575
Height = 66
Visible = .T.
TabIndex = 1
oldtalk = OFF
viewkey = ("")
parentkey =
viewtype = 3
gridalias =
topfile = .T.
endfile = .F.
addmode = .F.
nworkarea = 2
oldsetdelete = OFF
oldreprocess = 0
```

```
previewmode = .F.
previewinit = .T.
usedataenv = .F.
editmode = .F.
gridref =
oldsetfields = OFF
oldmultilocks = ON
oldrefresh = 0
oldbuffering = 1
Name = "BUTTONSET1"
cmdPrev.Enabled = .F.
cmdPrev.Name = "cmdPrev"
cmdNext.Enabled = .T.
cmdNext.Name = "cmdNext"
cmdTop.Enabled = .F.
cmdTop.Name = "cmdTop"
cmdEnd.Enabled = .T.
cmdEnd.Name = "cmdEnd"
cmdFind.Enabled = .T.
cmdFind.Name = "cmdFind"
cmdPrint.Enabled = .T.
cmdPrint.Name = "cmdPrint"
cmdExit.Enabled = .T.
cmdExit.Name = "cmdExit"
cmdAdd.Caption = "Ag\<regar"
cmdAdd.Enabled = .T.
cmdAdd.Name = "cmdAdd"
cmdDelete.Enabled = .T.
cmdDelete.Name = "cmdDelete"
cmdEdit.Caption = "\<Modificar"
cmdEdit.Enabled = .T.
cmdEdit.Name = "cmdEdit"
BoundColumn = 2
RowSourceType = 3
RowSource = "select municipio, seccionele from seccion order by
municipio into cursor cSeccionList"
ControlSource = "datos.seccionele"
Height = 25
Left = 309
TabIndex = 2
Top = 22
Width = 204
```

```
      Name = "CboMunicipios"
      BoundColumn = 2
      RowSourceType = 3
      RowSource = "select descripcion, tema from temas order by tema into
cursor cTemasList"
      ControlSource = "datos.TEMA"
      Height = 25
      Left = 165
      TabIndex = 2
      Top = 94
      Width = 385
      Name = "Cbotemas"
      Height = 385
      Left = 9
      RecordSource = "DATOS"
      RecordSourceType = 1
      Top = 22
      Width = 709
      Name = "Grid2"
*.********************************************************************
*************
*.
*: Archivo de procedimientoC:\BAIRES\DATOS.MPR
*.
*.
*.
*.
*.
*.
*.
*: Documentado mediante la versión del Asistente para formato de Visual
FoxPro  .03
*.********************************************************************
*************
*:  datos
    *
********************************************************************
    *     *
    *     * 08/04/97          DATOS.MPR           18:14:13
    *     *
    *
********************************************************************
```

```
*       *
*       * Nombre del autor
*       *
*       * Copyright (C) 1997 Nombre de compañía
*       * Dirección
*       * Ciudad,    Código postal
*       * País
*       *
*       * Descripción:
*       * Este PROGRAMA lo ha generado automáticamente
GENMENU.
*       *
*
*********************************************************


        *
*********************************************************
*       *
*       *         Definición de menú
*       *
*
*********************************************************

    SET SYSMENU AUTOMATIC

        DEFINE PAD _rjl1338d0 OF _MSYSMENU PROMPT "\<Consultas"
COLOR SCHEME 3 ;
            BEFORE _MWINDOW ;
            KEY ALT+C, ""
    ON PAD _rjl1338d0 OF _MSYSMENU Activate POPUP Consultas

        DEFINE POPUP Consultas Margin RELATIVE SHADOW COLOR
SCHEME 4
        DEFINE BAR 1 OF Consultas PROMPT "\<Imprimir Informes"
        ON SELECTION BAR 1 OF Consultas DO Form Reports

        ON SELECTION MENU _MSYSMENU *-- (C) De Urquiza - Silva
Soc. De Hecho
        Left = 0
        Top = 0
        Width = 792
```

```
Height = 482
AutoOpenTables = .F.
AutoCloseTables = .F.
InitialSelectedAlias = "munxano"
Name = "Dataenvironment"
ScaleMode = 3
Top = 67
Left = 242
Height = 275
Width = 361
DoCreate = .T.
AutoCenter = .F.
BackColor = 192,192,192
BorderStyle = 2
Caption = "Parámetros del informe"
MaxButton = .T.
MinButton = .T.
WindowType = 1
WindowState = 0
LockScreen = .F.
lretval = .T.
ctema =
careageo =
cmunicipio =
cregion =
cañodde =
cañohas =
Name = "Form1"
+-------PROCEDURE VALIDATE
|              *-- Si la fecha A es menor que la fecha Desde y la fecha Desde
|              *-- no está vacía, mostrar un mensaje de error
|       +-------IF this.txtDateTo.Value < this.txtDateFrom.Value AND ;
|       |              !Empty(this.txtDateFrom.Value)
|       |              =MESSAGEBOX([Rango de Años INCORRECTO], ;
|       |              169)
|       |              RETURN .F.
|       +-------ENDIF
|
+-------ENDPROC
+-------PROCEDURE Activate
|       SET Message TO thisform.Caption
+-------ENDPROC
```

```
+-------PROCEDURE Unload
|           *-- (c) Microsoft Corporation 1995
|
|           SET Message TO
|
+-------ENDPROC
       Top = 228
       Left = 72
       Height = 26
       Width = 90
       Cancel = .T.
       Caption = "\<Aceptar"
       Default = .T.
       TabIndex = 10
       Name = "cmdOK"
+-------PROCEDURE Click
|           thisform.Hide()
+-------ENDPROC
       Top = 228
       Left = 188
       Height = 26
       Width = 90
       Caption = "\<Cancelar"
       TabIndex = 11
       Name = "cmdCancel"
+-------PROCEDURE Click
|           thisform.lretval = .F.
|           thisform.Hide()
+-------ENDPROC
       Alignment = 3
       Value =
       Format = ""
       Height = 22
       InputMask = "9999"
       Left = 241
       TabIndex = 8
       Top = 139
       Width = 48
       Name = "txtDateFrom"
       Alignment = 3
       Value =
       Format = ""
```

```
      Height = 22
      InputMask = "9999"
      Left = 241
      TabIndex = 9
      Top = 163
      Width = 48
      Name = "txtDateTo"
+-------PROCEDURE Valid
|      +-------IF !this.Parent.VALIDATE()
|      |           this.Value = {}
|      |           this.SelStart = 0
|      +-------ENDIF
|
+-------ENDPROC
      Caption = "Desde"
      Height = 14
      Left = 181
      Top = 139
      Width = 35
      TabIndex = 4
      Name = "Tslabel1"
      Caption = "Hasta"
      Height = 14
      Left = 186
      Top = 169
      Width = 30
      TabIndex = 5
      Name = "Tslabel2"
      AutoSize = .T.
      Alignment = 0
      BackColor = 192,192,192
      BackStyle = 1
      Caption = "Tema:"
      Height = 16
      Left = 12
      Top = 24
      Width = 34
      TabIndex = 1
      Name = "Tslabel3"
      AutoSize = .T.
      Alignment = 0
      BackColor = 192,192,192
```

BackStyle = 1
Caption = "Area Geográfica:"
Height = 16
Left = 10
Top = 87
Width = 91
TabIndex = 2
Name = "Tslabel4"
BoundColumn = 2
RowSourceType = 3
RowSource = "select descripcion, tema from temas order by tema
group by tema into cursor cTemasList"
Value = [   ]
ControlSource = "tema"
Height = 25
Left = 60
TabIndex = 6
Top = 24
Width = 289
Name = "Combo1"
BoundColumn = 2
RowSourceType = 3
RowSource = "select municipio, seccionele from seccion order by
municipio Group by Municipio into cursor cSeccionList"
Value = [   ]
ControlSource = "seccionele"
FirstElement = 1
Height = 25
Left = 121
TabIndex = 7
Top = 84
Width = 228
Name = "Combo2"
AutoSize = .T.
Alignment = 0
BackColor = 192,192,192
BackStyle = 1
Caption = "Intérvalo de años:"
Height = 16
Left = 13
Top = 151
Width = 98

```
          TabIndex = 3
          Name = "Tslabel5"
          Left = 10
          Top = 278
          Width = 400
          Height = 119
          Name = "Dataenvironment"
          Left = 20
          Top = 10
          Width = 90
          Height = 90
          Alias = "repolist"
          CursorSource = repolist.DBF
          Name = "Cursor1"
          Top = -5
          Left = 20
          DoCreate = .T.
          Caption = "Form1"
          WindowType = 1
          nsaveselect = 0
          Name = "Form1"
+-------PROCEDURE Refresh
|          LOCAL lcFilter
|          SELECT repolist
|
|          lcFilter = "ctype = '" +
IIF(thisform.opgOutputType.optReports.Value = 1, ;
|               "REPO", ;
|               "LIST") + "'"
|
|          SET Filter TO &lcFilter
|          LOCATE
|          thisform.lstReport.Requery()
|
+-------ENDPROC
+-------PROCEDURE Init
|          thisform.Refresh()
|
|          this.nsaveselect = SELECT()
|
|     +-------IF thisform.lstReport.ListCount > 0
|     |          thisform.lstReport.ListIndex = 1
```

```
|     +-------ENDIF
+-------ENDPROC
+-------PROCEDURE Destroy
|          SELECT(this.nsaveselect)
|          SELECT datos
|          SET Order TO Tag SECCIONELE
|          GO Top
|
+-------ENDPROC
     Alignment = 2
     BackColor = 192,192,192
     BackStyle = 1
     Caption = "Tipo de salida"
     Height = 16
     Left = 28
     Top = 13
     Width = 77
     TabIndex = 6
     Name = "Tslabel1"
     ButtonCount = 2
     BackStyle = 0
     BorderStyle = 0
     Value = 1
     Height = 26
     Left = 23
     Top = 23
     Width = 166
     TabIndex = 2
     Name = "opgOutputType"
     Option1.FontSize = 8
     Option1.BackStyle = 0
     Option1.Caption = "I\<nformes"
     Option1.Value = 1
     Option1.Height = 18
     Option1.Left = 5
     Option1.Top = 5
     Option1.Width = 75
     Option1.Name = "optReports"
     Option2.FontSize = 8
     Option2.BackStyle = 0
     Option2.Caption = "\<Listados"
     Option2.Value = 0
```

```
        Option2.Height = 18
        Option2.Left = 80
        Option2.Top = 5
        Option2.Width = 75
        Option2.Name = "optListings"
+-------PROCEDURE Click
|           thisform.Refresh()
|           thisform.lstReport.ListIndex = 1
|           thisform.lstReport.SetFocus()
|
+-------ENDPROC
        FontBold = .T.
        FontName = "Arial"
        FontSize = 8
        ReadSize = .T.
        BoundColumn = 2
        RowSourceType = 6
        RowSource = "cfullname, cdosname"
        ControlSource = ""
        Height = 98
        Left = 23
        SpecialEffect = 0
        TabIndex = 1
        Top = 58
        Width = 336
        ReleaseErase = .F.
        DisabledItemBackColor = 255,255,255
        Name = "lstReport"
+-------PROCEDURE KeyPress
|           LPARAMETERS nKeyCode, nShiftAltCtrl
|
|           *-- Queremos ofrecer al usuario una pista visual de que
|           *-- el botón de comando 'Ejecutar' es el predeterminado
|           *-- (estableciendo su propiedad Default). Sin embargo, si
|           *-- no interceptamos la pulsación de la tecla ENTRAR, se
|           *-- llamará implícitamente al método DblClick() y, por tanto,
|           *-- al evento Click del botón de comando 'Ejecutar'.
|           *-- Esto hace que el informe se ejecute dos veces.
|
|       +-------IF nKeyCode = 13
|       |           NODEFAULT
|       |           this.DblClick()
```

```
|    +-------ENDIF
+-------ENDPROC
+-------PROCEDURE DblClick
|          thisform.cmdRun.Click()
+-------ENDPROC
+-------PROCEDURE Init
|    +-------IF RECCOUNT("RepoList") = 0
|    |          RETURN .F.
|    +-------ENDIF
+-------ENDPROC
        ButtonCount = 3
        BackStyle = 0
        BorderStyle = 0
        ControlSource = ""
        Height = 72
        Left = 23
        Top = 164
        Width = 217
        TabIndex = 3
        ReleaseErase = .F.
        Name = "opgOutput"
        Option1.FontBold = .T.
        Option1.FontName = "Arial"
        Option1.FontSize = 8
        Option1.BackStyle = 0
        Option1.Caption = "\<Presentación preliminar"
        Option1.Value = 1
        Option1.Enabled = .T.
        Option1.Height = 18
        Option1.Left = 0
        Option1.Top = 0
        Option1.Width = 217
        Option1.ReleaseErase = .F.
        Option1.Name = "optScreen"
        Option2.FontBold = .T.
        Option2.FontName = "Arial"
        Option2.FontSize = 8
        Option2.BackStyle = 0
        Option2.Caption = "En\<viar a la impresora"
        Option2.Height = 18
        Option2.Left = 0
        Option2.Top = 23
```

```
        Option2.Width = 217
        Option2.ReleaseErase = .F.
        Option2.Name = "optPrinter"
        Option3.FontSize = 8
        Option3.BackStyle = 0
        Option3.Caption = "Enviar a un \<archivo"
        Option3.Height = 18
        Option3.Left = 0
        Option3.Top = 46
        Option3.Width = 217
        Option3.Name = "optFile"
        Top = 168
        Left = 263
        Height = 28
        Width = 97
        Caption = "\<Ejecutar"
        Default = .F.
        TabIndex = 4
        ColorSource = 3
        Name = "cmdRun"
+-------PROCEDURE Click
|          LOCAL lcSeleRepo, loGetDatos, llContinue
|
|          lcSeleRepo = ALLTRIM(repolist.cdosname) + ".FRX"
|
|     +-------IF NOT FILE(lcSeleRepo)
|     |          REPORTNOTFOUND_LOC = 'Archivo de Reporte
inexistente'
|     |          mb_iconexclamation = 48
|     |          =MESSAGEBOX(REPORTNOTFOUND_LOC,
mb_iconexclamation)
|     |          RETURN
|     +-------ENDIF
|
|          cpara = []
|     +-------DO CASE
|     +-------CASE lcSeleRepo = [MUNXANO.FRX]
|     |          DO Form PARA Name loGetDatos LINKED
|     |          llContinue = loGetDatos.lretval
|     |     +-------IF llContinue
|     |     |          cañodde = loGetDatos.txtDateFrom.Value
|     |     |          cañohas = loGetDatos.txtDateTo.Value
```

```
|   |   |           ctema = loGetDatos.Combo1.Value
|   |   |           careageo = loGetDatos.Combo2.Value
|   |   |           cpara = [Tema = '] + ALLTRIM(ctema) + [' and
BETWEEN(año,'];
|   |   |                       + cañodde + [','] + cañohas + [') and seccionele = ']
+ careageo + [']
|   |   |           llContinue = !(_TALLY = 0)
|   |   |   +-------IF !llContinue
|   |   |   |           =MESSABOX('No hay Nada por Imprimir!', 163,
'Impresión de Listados')
|   |   |   +-------ENDIF
|   |   +-------ENDIF
|   |           Release loGetDatos
|   |           lcSeleRepo = [MUNXANO.FRX FOR ]+ cpara
|   +-------CASE lcSeleRepo = [MUNXRUB.FRX]
|   |           DO Form PARA Name loGetDatos LINKED
|   |           llContinue = loGetDatos.lretval
|   |   +-------IF llContinue
|   |   |           cañodde = loGetDatos.txtDateFrom.Value
|   |   |           cañohas = loGetDatos.txtDateTo.Value
|   |   |           ctema = loGetDatos.Combo1.Value
|   |   |           careageo = loGetDatos.Combo2.Value
|   |   |           cpara = [Tema = '] + ALLTRIM(ctema) + [' and
BETWEEN(año,'];
|   |   |                       + cañodde + [','] + cañohas + [') and seccionele = ']
+ careageo + [']
|   |   |           llContinue = !(_TALLY = 0)
|   |   |   +-------IF !llContinue
|   |   |   |           =MESSABOX('No hay Nada por Imprimir!', 163,
'Impresión de Listados')
|   |   |   +-------ENDIF
|   |   +-------ENDIF
|   |           Release loGetDatos
|   |           lcSeleRepo = [MUNXRUB.FRX FOR ]+ cpara
|   +-------ENDCASE
|
|   +-------DO CASE
|   +-------CASE thisform.opgOutput.optScreen.Value = 1     && A la
pantalla
|   |           lcSeleRepo =  lcSeleRepo + [ PREVIEW]
|   |           REPORT Form &lcSeleRepo.
```

```
|      +-------CASE thisform.opgOutput.optPrinter.Value = 1    && A la
impresora
|    |      +-------IF PRINTSTATUS()
|    |    |            lcSeleRepo =  lcSeleRepo + [ TO PRINTER
NOCONSOLE]
|    |    |            REPORT Form &lcSeleRepo.
|    |      +-------ELSE
|    |    |            =MESSAGEBOX(PRINTERNOTREADY_LOC,
mb_iconexclamation)
|    |      +-------ENDIF
|      +-------CASE thisform.opgOutput.optFile.Value = 1       && A un
archivo
|    |            lcTextFile  = ALLTRIM(repolist.cdosname)+".TXT"
|    |            lcSeleRepo =  lcSeleRepo + [ TO FILE ]+lcTextFile+[
ASCII]
|    |            REPORT Form &lcSeleRepo.
|    |            FILESAVEDAS_LOC = 'Archivo guardado: '
|    |            mb_iconinformation = 64
|    |            TASTRADE_LOC = 'Impresión de Informes'
|    |            =MESSAGEBOX(FILESAVEDAS_LOC +
FULLPATH(lcTextFile), ;
|    |                mb_iconinformation, ;
|    |                TASTRADE_LOC)
|      +-------ENDCASE
|
|
|
+-------ENDPROC
        Top = 199
        Left = 264
        Height = 28
        Width = 97
        FontSize = 8
        Cancel = .T.
        Caption = "\<Cerrar"
        Default = .F.
        TabIndex = 5
        TerminateRead = .T.
        ColorSource = 3
        Name = "Cmdclos"
+-------PROCEDURE Click
|          Release thisform
+-------ENDPROC
```

```
Left = 10
Top = 278
Width = 400
Height = 119
Name = "Dataenvironment"
Alias = "temas"
BufferModeOverride = 5
Order = "tema"
Database = provbsas.DBC
CursorSource = "temas"
Name = "CURSOR1"
ScaleMode = 3
Height = 319
Width = 602
DoCreate = .T.
AutoCenter = .T.
Caption = "TEMAS"
Visible = .F.
LockScreen = .F.
Name = "Form1"
layoutsty.Shape1.Name = "Shape1"
layoutsty.Shape2.Name = "Shape2"
layoutsty.Shape3.Name = "Shape3"
layoutsty.Shape4.Name = "Shape4"
layoutsty.Top = 6
layoutsty.Left = 4009
layoutsty.Width = 561
layoutsty.Height = 253
layoutsty.Visible = .F.
layoutsty.Name = "layoutsty"
ErasePage = .T.
PageCount = 2
Top = 12
Left = 1
Width = 600
Height = 301
Name = "Datos"
Page1.Caption = "TEMAS - Visión puntual"
Page1.Name = "Page1"
Page2.Caption = "TEMAS - Lista detallada"
Page2.Name = "Page2"
+-------PROCEDURE Page1.Activate
```

```
|          thisform.Refresh()
|
+-------ENDPROC
+-------PROCEDURE Page2.Activate
|          thisform.Refresh()
|
+-------ENDPROC
        Caption = "Tema:"
        Left = 34
        Top = 33
        Visible = .T.
        Width = 72
        Name = "LBLTEMA1"
        Value =
        ControlSource = "temas.tema"
        Enabled = .F.
        Height = 22
        InputMask = "XXXXXXXXXXXX"
        Left = 116
        Top = 30
        Visible = .T.
        Width = 122
        Name = "TEMA1"
        Caption = "Descripción:"
        Left = 35
        Top = 73
        Visible = .T.
        Width = 72
        Name = "LBLDESCRIPCION1"
        Value =
        ControlSource = "temas.descripcion"
        Enabled = .F.
        InputMask =
"XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX"
        Left = 117
        Top = 70
        Visible = .T.
        Width = 329
        Name = "DESCRIPCION1"
        Top = 178
        Left = 9
        Width = 575
```

```
Height = 66
Visible = .T.
oldtalk = OFF
viewkey = ("")
parentkey =
viewtype = 3
gridalias =
topfile = .T.
endfile = .T.
addmode = .F.
nworkarea = 3
oldsetdelete = OFF
oldreprocess = 0
previewmode = .F.
previewinit = .T.
usedataenv = .F.
editmode = .F.
gridref =
oldsetfields = OFF
oldmultilocks = ON
oldrefresh = 5
oldbuffering = 1
Name = "BUTTONSET1"
cmdPrev.Enabled = .F.
cmdPrev.Name = "cmdPrev"
cmdNext.Enabled = .F.
cmdNext.Name = "cmdNext"
cmdTop.Enabled = .F.
cmdTop.Name = "cmdTop"
cmdEnd.Enabled = .F.
cmdEnd.Name = "cmdEnd"
cmdFind.Enabled = .T.
cmdFind.Name = "cmdFind"
cmdPrint.Enabled = .T.
cmdPrint.Name = "cmdPrint"
cmdExit.Enabled = .T.
cmdExit.Name = "cmdExit"
cmdAdd.Caption = "Ag\<regar"
cmdAdd.Enabled = .T.
cmdAdd.Name = "cmdAdd"
cmdDelete.Enabled = .F.
cmdDelete.Name = "cmdDelete"
```

```
cmdEdit.Caption = "\<Modificar"
cmdEdit.Enabled = .F.
cmdEdit.Name = "cmdEdit"
Height = 241
Left = 9
RecordSource = "TEMAS"
RecordSourceType = 1
Top = 22
Width = 517
Name = "Grid2"
BackStyle = 0
Height = 73
Width = 234
SpecialEffect = 0
Name = "ts3dshape"
+-------PROCEDURE Init
|            *-- (c) Microsoft Corporation 1995
|
+-------ENDPROC
Height = 15
Width = 148
FontSize = 8
BackStyle = 0
Caption = "Casilla1"
Name = "tscheckbox"
+-------PROCEDURE Init
|            *-- (c) Microsoft Corporation 1995
|
+-------ENDPROC
Arial, 1, 8, 5, 14, 11, 13, 3, 0
Height = 26
Width = 76
FontSize = 8
Caption = "Comando1"
TabIndex = 1
Name = "tscommandbutton"
+-------PROCEDURE Init
|            *-- (c) Microsoft Corporation 1995
|
+-------ENDPROC
Arial, 1, 8, 5, 14, 11, 13, 3, 0
FontSize = 8
```

```
        Alignment = 1
        BackStyle = 0
        Caption = "Etiqueta1"
        Comment = ""
        Height = 22
        Width = 77
        TabIndex = 1
        Name = "tslabel"
 +-------PROCEDURE Init
 |          *-- (c) Microsoft Corporation 1995
 |
 +-------ENDPROC
        Arial, 1, 8, 5, 14, 11, 13, 3, 0
        ButtonCount = 2
        BackStyle = 0
        Value = 1
        Height = 48
        Width = 85
        Name = "tsoptiongroup"
        Option1.FontSize = 8
        Option1.BackStyle = 0
        Option1.Caption = "Opción1"
        Option1.Value = 1
        Option1.Height = 18
        Option1.Left = 5
        Option1.Top = 5
        Option1.Width = 75
        Option1.Name = "Option1"
        Option2.FontSize = 8
        Option2.BackStyle = 0
        Option2.Caption = "Opción2"
        Option2.Value = 0
        Option2.Height = 18
        Option2.Left = 5
        Option2.Top = 25
        Option2.Width = 75
        Option2.Name = "Option2"
 +-------PROCEDURE Init
 |          *-- (c) Microsoft Corporation 1995
 |
 +-------ENDPROC
        Arial, 1, 8, 5, 14, 11, 13, 3, 0
```

```
          DoCreate = .T.
          AutoCenter = .T.
          BackColor = 192,192,192
          BorderStyle = 2
          Caption = "Formulario1"
          ControlBox = .F.
          FontSize = 8
          MaxButton = .F.
          MinButton = .F.
          WindowType = 1
          Comment = "(c) Microsoft Corporation 1995"
          uretval = .T.
          Name = "tsformretval"
 +-------PROCEDURE Unload
 |          SET Message TO
 +-------ENDPROC
 +-------PROCEDURE Activate
 |          *-- Forzar la actualización del menú
 |          Activate MENU _MSYSMENU NOWAIT
 |
 |          SET Message TO thisform.Caption
 +-------ENDPROC
          Arial, 1, 8, 5, 14, 11, 13, 3, 0
          FontBold = .F.
          FontSize = 8
          Height = 24
          TabIndex = 1
          Width = 200
          DisabledBackColor = 192,192,192
          Name = "tscombobox"
 +-------PROCEDURE Init
 |          *-- (c) Microsoft Corporation 1995
 |
 +-------ENDPROC
          Arial, 0, 8, 5, 14, 11, 13, 3, 0
          FontBold = .F.
          FontSize = 8
          TabIndex = 1
          DisabledBackColor = 192,192,192
          Name = "tseditbox"
 +-------PROCEDURE Init
 |          *-- (c) Microsoft Corporation 1995
```

```
|
+-------ENDPROC
        Arial, 0, 8, 5, 14, 11, 13, 3, 0
        FontBold = .F.
        FontSize = 8
        Height = 104
        Width = 125
        DisabledBackColor = 192,192,192
        Name = "tslistbox"
+-------PROCEDURE Init
|             *-- (c) Microsoft Corporation 1995
|
+-------ENDPROC
        Arial, 0, 8, 5, 14, 11, 13, 3, 0
        FontBold = .F.
        FontSize = 8
        Format = "K"
        Height = 22
        InputMask = ""
        TabIndex = 1
        Width = 100
        DisabledForeColor = 128,128,128
        DisabledBackColor = 192,192,192
        Name = "tstextbox"
+-------PROCEDURE Init
|             *-- (c) Microsoft Corporation 1995
|
|      +-------IF TYPE(this.ControlSource) = "C"
|      |          this.InputMask = REPLICATE("X", ;
|      |              FSIZE(SUBSTR(this.ControlSource, AT(".",
this.ControlSource) + 1)))
|      +-------ENDIF
+-------ENDPROC
        Arial, 0, 8, 5, 14, 11, 13, 3, 0
        DataSession = 2
        ScaleMode = 3
        Top = 54
        Left = 25
        Height = 341
        Width = 578
        DoCreate = .T.
        BufferMode = 0
```

```
        AutoCenter = .F.
        BorderStyle = 3
        Caption = "Formulario 1"
        MaxButton = .T.
        MinHeight = 200
        MinWidth = 400
        WindowType = 1
        lallowedits = .F.
        ctoolbar =
        lallownew = .F.
        lallowdelete = .F.
        Name = "tstextform"
+-------PROCEDURE QueryUnload
|          *-- Invalidar el valor predeterminado de tsbaseform
+-------ENDPROC
+-------PROCEDURE Resize
|          *-- (c) Microsoft Corporation 1995
|
|
|          *-- Ajustar dinámicamente el tamaño de todos los controles
|          *-- del formulario basándose en las dimensiones del formulario
|          thisform.LockScreen = .T.
|          thisform.edtText.Width = thisform.Width
|          thisform.edtText.Height = thisform.Height - 54
|          thisform.cmdClose.Left = INT(thisform.Width / 4)
|          thisform.cmdPrint.Left = INT(thisform.Width / 1.75)
|          thisform.cmdClose.Top = thisform.Height - 42
|          thisform.cmdPrint.Top = thisform.cmdClose.Top
|          thisform.LockScreen = .F.
+-------ENDPROC
        Height = 288
        Left = 0
        ReadOnly = .T.
        TabIndex = 1
        Top = 0
        Width = 578
        ControlSource = ""
        Name = "edtText"
        Top = 300
        Left = 145
        Height = 31
        Width = 111
        Cancel = .T.
```

```
          Caption = "\<Cerrar"
          TabIndex = 2
          Name = "cmdClose"
   +-------PROCEDURE Click
   |          Release thisform
   +-------ENDPROC
          Top = 300
          Left = 330
          Height = 31
          Width = 111
          Caption = "\<Imprimir"
          TabIndex = 3
          Name = "cmdPrint"
          Arial, 1, 8, 5, 14, 11, 14, 3, 0
          Arial, 0, 8, 5, 14, 11, 20, 3, 0
          Height = 27
          Width = 26
          Caption = " "
          TabIndex = 1
          Name = "tstoolbarbutton"
   +-------PROCEDURE MouseUp
   |          LPARAMETERS nButton, nShift, nXCoord, nYCoord
   |          *-- Si la propiedad lCancelClick es .T., emitir NODEFAULT
   |          *-- para evitar que el botón aparezca como presionado.
   |   +-------IF this.lCancelClick
   |   |          this.lCancelClick = .F.
   |   |          NODEFAULT
   |   +-------ENDIF
   +-------ENDPROC
   +-------PROCEDURE MouseDown
   |          *-- (c) Microsoft Corporation 1995
   |
   |          LPARAMETERS nButton, nShift, nXCoord, nYCoord
   |          this.lCancelClick = .F.
   |   +-------IF !this.Parent.OKToSend()
   |   |          *-- Establecer lCancelClick como .T. para impedir que se
presione el botón
   |   |          this.lCancelClick = .T.
   |   |          ?? CHR(7)
   |   |          NODEFAULT
   |   +-------ENDIF
   +-------ENDPROC
```

```
          Arial, 1, 10, 6, 16, 13, 16, 3, 0
          FontBold = .F.
          FontSize = 8
          DeleteMark = .F.
          Highlight = .F.
          RecordMark = .F.
          RecordSource = ""
          RowHeight = 17
          TabIndex = 1
          Width = 319
          ncolumnsum = 0
          cfieldtosum =
          Name = "tsgrid"
+-------PROCEDURE sumcolumn
|              *-- (c) Microsoft Corporation 1995
|
|              *-- Este método se usa para sumar una columna de la cuadrícula y
|              *-- almacenar el resultado en una propiedad personal.
|              *-- Actualmente esto sólo funciona para una columna cada vez.
|
|       +-------IF Empty(this.cfieldtosum)
|       |          RETURN
|       +-------ENDIF
|
|              LOCAL lnOldArea, ;
|                   lnOldRecNo, ;
|                   luKey, ;
|                   lcFieldToSum, ;
|                   lcOrder
|
|              lnOldArea = SELECT()
|              this.ncolumnsum = 0
|              lcFieldToSum = ""
|
|       +-------IF Empty(this.RecordSource)
|       |          RETURN
|       +-------ENDIF
|
|              *-- Seleccionar el alias especificado en la propiedad
RecordSource de la cuadrícula
|              SELECT (this.RecordSource)
|
```

```
|              lcOrder = Order()
|              *-- Usar la cadena devuelta por ORDER() como parámetro
|              *-- de la función EVAL() para recuperar el valor del
|              *-- ID actual, que usaremos más adelante para emitir SEEK() en la
tabla.
|              luKey = IIF(!Empty(lcOrder), EVAL(lcOrder), "")
|              lnOldRecNo = IIF(EOF(), 0, RECNO())
|              lcFieldToSum = this.cfieldtosum
|
|              *-- Calcular el total de la columna y almacenar el resultado
|              *-- en la propiedad nColumnSum
|     +--------IF !Empty(lcOrder) AND SEEK(luKey)
|     |              SUM &lcFieldToSum. ;
|     |                   WHILE luKey = EVAL(lcOrder) ;
|     |                   TO this.ncolumnsum
|     +--------ELSE
|     |     +--------IF CURSORGETPROP("SOURCETYPE") =
DB_SRCLOCALVIEW OR ;
|     |     |                   CURSORGETPROP("SOURCETYPE") =
DB_SRCREMOTEVIEW
|     |     |              *-- La cuadrícula está vinculada a una vista
|     |     |              SUM &lcFieldToSum. ;
|     |     |                   TO this.ncolumnsum
|     |     +--------ENDIF
|     +--------ENDIF
|
|     +--------IF lnOldRecNo <> 0
|     |              GO lnOldRecNo
|     +--------ENDIF
|
|              SELECT (lnOldArea)
|
|
+--------ENDPROC
+--------PROCEDURE Refresh
|              *-- Volver a calcular los totales de columna cada vez que se
actualice la cuadrícula
|              this.sumcolumn()
+--------ENDPROC
       Arial, 0, 8, 5, 14, 11, 20, 3, 0
       ScaleMode = 3
       DoCreate = .T.
```

```
              Name = "tsmaintform"
    +-------PROCEDURE addnew
    |           *-- (c) Microsoft Corporation 1995
    |
    |           *-- Seleccionar automáticamente la página de introducción de
    datos
    |           thisform.Pageframe1.ActivePage = 1
    |           tsBaseForm::addnew()
    |
    +-------ENDPROC
        ErasePage = .T.
        PageCount = 2
        Top = 0
        Left = 0
        Width = 577
        Height = 301
        Name = "pageframe1"
        Page1.FontSize = 8
        Page1.Caption = "E\<ntrada de datos"
        Page1.Name = "Page1"
        Page2.FontSize = 8
        Page2.Caption = "\<Lista"
        Page2.Name = "Page2"
    +-------PROCEDURE Page1.Activate
    |           *-- Asegurarse de que el formulario se actualiza siempre que
    cambiamos
    |           *-- de página. El puntero de registros puede haber cambiado
    mientras estaba activa otra página.
    |           thisform.RefreshForm()
    |
    |
    +-------ENDPROC
    +-------PROCEDURE Page2.Init
    |           *-- Colocar la cuadrícula en relación con la página
    |           this.grdList.Top = 0
    |           this.grdList.Left = 0
    |
    +-------ENDPROC
    +-------PROCEDURE Page2.Activate
    |           LOCAL lcAlias
    |           lcAlias = thisform.DataEnvironment.InitialSelectedAlias
    |     +-------IF !Empty(lcAlias)
```

```
|     |            SELECT (lcAlias)
|     +-------ENDIF
|
|            *-- Comprobar si se han hecho cambios y pedir al usuario
|            *-- que los guarde si es necesario antes de cambiar a la página
Lista
|     +-------IF thisform.IsNewAndEmpty()
|     |            thisform.RESTORE()
|     +-------ELSE
|     |     +-------IF thisform.DataChanged() AND thisform.AskToSave() =
IDCANCEL
|     |     |             thisform.Pageframe1.ActivePage = 1
|     |     |             RETURN
|     |     +-------ENDIF
|     +-------ENDIF
|            thisform.RefreshForm()
|            this.grdList.SetFocus()
|
|
+-------ENDPROC
       Left = 0
       ReadOnly = .T.
       RecordSource = ""
       TabIndex = 1
       Top = 0
       Name = "grdList"
+-------PROCEDURE Init
|            *-- Establecer como de sólo lectura todas las columnas de la
cuadrícula
|            this.SetAll("ReadOnly", .T., "Column")
|
+-------ENDPROC
       Arial, 1, 8, 5, 14, 11, 14, 3, 0
       Arial, 0, 8, 5, 14, 11, 20, 3, 0
       FontBold = .F.
       FontSize = 8
       RowSourceType = 3
       RowSource = ""
       DisplayValue =
       Value =
       Height = 21
       IncrementalSearch = .F.
```

```
        TabIndex = 1
        Width = 200
        DisabledBackColor = 192,192,192
        csearchstring =
        calias =
        ctag =
        cfield =
        llimittolist = .T.
        Name = "tsifcombo"
+-------PROCEDURE InteractiveChange
|           LOCAL lcField
|
|           *-- Restablecer propiedades
|           this.csearchstring = ""
|           STORE 0 TO ;
|                 this.SelStart, ;
|                 this.SelLength
|
|           *-- Situar el puntero de registro en la tabla de búsqueda
|           lcField = this.cfield
|           =LOOKUP(&lcField, ;
|                 UPPER(this.DisplayValue), ;
|                 &lcField, ;
|                 this.ctag)
|
|
+-------ENDPROC
+-------PROCEDURE KeyPress
|           LPARAMETERS nKeyCode, nShiftAltCtrl
|           LOCAL lnRecNo
|
|     +-------DO CASE
|     |           *-- Los caracteres válidos son letras, dígitos, espacios y
apóstrofos
|     +-------CASE BETWEEN(nKeyCode, 65, 90) OR
BETWEEN(nKeyCode, 97, 122) OR ;
|     |                 BETWEEN(nKeyCode, 48, 57) OR ;
|     |                 nKeyCode = 32 OR nKeyCode = 39
|     |           *-- Crear la cadena de búsqueda interna
|     |           this.csearchstring = this.csearchstring + CHR(nKeyCode)
|     +-------CASE nKeyCode = 127      && Retroceso
|     |     +-------IF LEN(this.csearchstring) > 0
```

```
|   |   |         *-- Quitar el último carácter de la cadena de búsqueda
|   |   |              this.csearchstring = Left(this.csearchstring,
LEN(this.csearchstring) - 1)
|   |      +-------ENDIF
|      +-------OTHERWISE
|   |            RETURN
|      +-------ENDCASE
|
|              lnRecNo = RECNO(this.calias)
|              *-- Cancelar la acción predeterminada. NODEFAULT es
necesario para impedir
|              *-- que en el cuadro combinado se muestren dos copias del
carácter
|              *-- ya que controlamos manualmente la propiedad DisplayValue.
|              NODEFAULT
|
|              *-- Ejecutar SEEK()
|   +-------IF !Empty(this.csearchstring)
|   |            =SEEK(UPPER(this.csearchstring), this.calias, this.ctag)
|   +-------ENDIF
|
|   +-------IF Empty(this.csearchstring) OR EOF(this.calias)
|   |            *-- SEEK() falló
|   |            GO lnRecNo IN (this.calias)
|   |            *-- Si se permiten entradas que no están en la lista,
|   |            *-- establecer la propiedad DisplayValue como el valor de la
|   |            *-- cadena de búsqueda. De lo contrario, quitar de la cadena
de
|   |            *-- búsqueda el carácter que se acaba de escribir.
|   |      +-------IF !this.llimittolist
|   |      |            this.DisplayValue = this.csearchstring
|   |      |            this.SelLength = 0
|   |      +-------ELSE
|   |      |            *-- No agregar el carácter escrito a la cadena de
búsqueda
|   |      |            this.csearchstring = Left(this.csearchstring, ;
|   |      |                 LEN(this.csearchstring) - 1)
|   |      +-------ENDIF
|   +-------ELSE
|   |            *-- SEEK() tuvo éxito; rellenar DisplayValue
|   |            this.DisplayValue = EVAL(this.cfield)
|   |            *-- Seleccionar toda la cadena
```

```
|     |              this.SelLength = LEN(this.DisplayValue)
|     +-------ENDIF
|
|              *-- Situar el cursor al final de la cadena
|              this.SelStart = LEN(this.csearchstring)
|
+-------ENDPROC
+-------PROCEDURE LostFocus
|              *-- Restablecer la cadena de búsqueda y la posición inicial
|              this.csearchstring = ""
|              this.SelStart = 0
+-------ENDPROC
+-------PROCEDURE Init
|              *-- (c) Microsoft Corporation 1995
|
|              LOCAL lcRowSource, ;
|                   lnPosFrom, ;
|                   lcAlias, ;
|                   lcTagName
|
|              *-- El principal objetivo del código de este método de
|              *-- evento es analizar la propiedad RowSource para un nombre de
|              *-- alias y un nombre de etiqueta.
|
|              lcRowSource = this.RowSource
|              lnPosFrom = ATC("FROM", lcRowSource)
|
|              *-- Obtener todo lo que haya después de la cláusula "FROM"
|              lcAlias = ALLT(SUBSTR(lcRowSource, lnPosFrom + 4))
|              *-- Filtrar otras cláusulas después de "FROM"
|              lcAlias = TRIM(Left(lcAlias, AT(" ", lcAlias)))
|     +-------IF "," $ lcAlias
|     |              *-- Tenemos más de 1 alias
|     |              lcAlias = Left(lcAlias, LEN(lcAlias) - 1)
|     +-------ENDIF
|
|              *-- Volveremos a necesitar el alias más tarde, por lo
|              *-- que lo guardamos en una propiedad personal
|              this.calias = lcAlias
|
|              *-- Obtener un nombre de etiqueta
|              *-- Si la propiedad cTag no está vacía, el usuario ha especificado
```

```
|              *-- una etiqueta para que la usemos para el orden de la tabla.
|     +-------IF !Empty(this.ctag)
|     |             lcTagName = ALLTRIM(this.ctag)
|     +-------ELSE
|     |              *-- Obtener todo lo que haya después de la cláusula SELECT
|     |             lcTagName = ALLT(SUBSTR(lcRowSource, AT(" ",
lcRowSource)))
|     |              *-- Filtrar todas las demás cláusulas
|     |             lcTagName = ALLT(Left(lcTagName, AT(" ", lcTagName)))
|     |     +-------IF "," $ lcTagName
|     |     |         *-- Tenemos más de 1 campo
|     |     |             lcTagName = Left(lcTagName, LEN(lcTagName) - 1)
|     |     +-------ENDIF
|     +-------ENDIF
|
|              *-- Excluir el alias de tabla, si hay alguno
|     +-------IF "." $ lcTagName
|     |             lcTagName = SUBSTR(lcTagName, AT(".", lcTagName) +
1)
|     +-------ENDIF
|
|              *-- Guardar el nombre de campo para su uso posterior en
|              *-- el método de evento KeyPress
|             this.cfield = lcAlias + "." + lcTagName
|
|              *-- Limitar el nombre de la etiqueta a 10 caracteres
|             lcTagName = Left(lcTagName, 10)
|
|              *-- Guardar el nombre de la etiqueta para su uso
|              *-- posterior en el método de evento KeyPress
|     +-------IF Empty(this.ctag)
|     |             this.ctag = lcTagName
|     +-------ENDIF
|
|
|              *-- SET('PROCEDURE') debe incluir Utility.prg
|     +-------IF !IsTag(lcTagName, lcAlias)
|     |             WAIT Window NOWAIT TAGNOTFOUND_LOC +
CHR(13) + lcTagName
|     +-------ENDIF
|
|
```

```
+-------ENDPROC
        Arial, 0, 8, 5, 14, 11, 20, 3, 0
        Height = 300
        Width = 578
        DoCreate = .T.
        BufferMode = 2
        AutoCenter = .T.
        BackColor = 192,192,192
        BorderStyle = 2
        Caption = "Formulario1"
        FontSize = 8
        MaxButton = .F.
        MinButton = .F.
        MDIForm = .T.
        ctoolbar = tstoolbar
        lallowedits = .T.
        lallownew = .T.
        lallowdelete = .T.
        Name = "tsbaseform"
+-------PROCEDURE NEXT
|               *-- Siguiente
|               LOCAL lnRecNo, ;
|                   lnRetVal
|
|       +-------IF !EOF()
|       |               *-- Si no se pudo guardar el contenido del control
|       |               *-- actual, devolver código de cancelación
|       |       +-------IF !thisform.WriteBuffer()
|       |       |           RETURN FILE_CANCEL
|       |       +-------ENDIF
|       |    \
|       |    ＼          *-- Si se va a agregar un nuevo registro pero no se ha
introducido nada todavía
|       |       +-------IF thisform.IsNewAndEmpty()
|       |       |           thisform.RESTORE()
|       |       +-------ELSE
|       |       |               *-- Si los datos han cambiado y el usuario cancela la
operación, devolver código de cancelación
|       |       |       +-------IF thisform.DataChanged() AND
thisform.AskToSave() = IDCANCEL
|       |       |       |           RETURN FILE_CANCEL
|       |       |       +-------ENDIF
```

```
|   |     +-------ENDIF
|   |           lnRecNo = RECNO()
|   |           Skip
|   |
|   |           *-- Si estamos en EOF, devolver código de EOF
|   |     +-------IF EOF()
|   |     |         Skip -1
|   |     |         RETURN FILE_EOF
|   |     +-------ENDIF
|   |
|   |           *-- Si seguimos estando en el mismo registro,
|   |           *-- devolver código de cancelación
|   |     +-------IF lnRecNo = RECNO()
|   |     |         RETURN FILE_CANCEL
|   |     +-------ENDIF
|   |
|   |           *-- Si obtenemos esto, todo va bien
|   |           thisform.RefreshForm()
|   |           RETURN FILE_OK
|   +-------ELSE
|   |           RETURN FILE_EOF
|   +-------ENDIF
+-------ENDPROC
+-------PROCEDURE First
|           *-- Primero
|           LOCAL lnRecNo, ;
|               lnRetVal
|
|           *-- Si no se pudo guardar el contenido del control
|           *-- actual, devolver código de cancelación
|   +-------IF !thisform.WriteBuffer()
|   |           RETURN FILE_CANCEL
|   +-------ENDIF
|
|           *-- Si se va a agregar un nuevo registro pero no se ha introducido
nada todavía
|   +-------IF thisform.IsNewAndEmpty()
|   |           thisform.RESTORE()
|   +-------ELSE
|   |           *-- Si los datos han cambiado y el usuario cancela la
operación, devolver código de cancelación
```

```
|   |       +-------IF thisform.DataChanged() AND thisform.AskToSave() =
IDCANCEL
|   |   |           RETURN FILE_CANCEL
|   |       +-------ENDIF
|       +-------ENDIF
|           lnRecNo = RECNO()
|           LOCATE
|
|           *-- Si seguimos estando en el mismo registro,
|           *-- devolver código de cancelación
|       +-------IF lnRecNo = RECNO()
|       |           RETURN FILE_CANCEL
|       +-------ENDIF
|
|       +-------IF EOF()
|       |           RETURN FILE_EOF
|       +-------ENDIF
|
|           thisform.RefreshForm()
|           RETURN FILE_BOF
|
|
|
|
|
+-------ENDPROC
+-------PROCEDURE LAST
|           *-- Último
|           LOCAL lnRecNo, ;
|               lnRetVal, ;
|               llNewAndEmpty
|
|           *-- Si no se pudo guardar el contenido del control
|           *-- actual, devolver código de cancelación
|       +-------IF !thisform.WriteBuffer()
|       |           RETURN FILE_CANCEL
|       +-------ENDIF
|
|           *-- Si se va a agregar un nuevo registro pero no se ha introducido
nada todavía
|       +-------IF thisform.IsNewAndEmpty()
|       |           thisform.RESTORE()
```

```
|   |              llNewAndEmpty = .T.
|   +-------ELSE
|   |              *-- Si los datos han cambiado y el usuario cancela la
operación, devolver código de cancelación
|   |       +-------IF thisform.DataChanged() AND thisform.AskToSave() =
IDCANCEL
|   |   |              RETURN FILE_CANCEL
|   |       +-------ENDIF
|   +-------ENDIF
|           lnRecNo = RECNO()
|           GO BOTTOM
|
|           *-- Si seguimos estando en el mismo registro,
|           *-- devolver código de cancelación
|   +-------IF !llNewAndEmpty AND lnRecNo = RECNO()
|   |              RETURN FILE_CANCEL
|   +-------ENDIF
|
|   +-------IF !EOF()
|   |              thisform.RefreshForm()
|   +-------ENDIF
|
|           RETURN FILE_EOF
|
|
|
|
|
+-------ENDPROC
+-------PROCEDURE prior
|           *-- Anterior
|           LOCAL lnRecNo, ;
|               lnRetVal
|
|   +-------IF !BOF()
|   |              *-- Si no se pudo guardar el contenido del control
|   |              *-- actual, devolver código de cancelación
|   |       +-------IF !thisform.WriteBuffer()
|   |   |              RETURN FILE_CANCEL
|   |       +-------ENDIF
|   |
```

```
|    |        *-- Si se va a agregar un nuevo registro pero no se ha
introducido nada todavía
|    |    +-------IF thisform.IsNewAndEmpty()
|    |    |        thisform.RESTORE()
|    |    +-------ELSE
|    |    |        *-- Si los datos han cambiado y el usuario cancela la
operación, devolver código de cancelación
|    |    |    +-------IF thisform.DataChanged() AND
thisform.AskToSave() = IDCANCEL
|    |    |    |        RETURN FILE_CANCEL
|    |    |    +-------ENDIF
|    |    +-------ENDIF
|    |        lnRecNo = RECNO()
|    |        Skip -1
|    |
|    |        *-- Si estamos en BOF, devolver código de BOF
|    |    +-------IF BOF()
|    |    |        RETURN FILE_BOF
|    |    +-------ENDIF
|    |
|    |        *-- Si seguimos estando en el mismo registro,
|    |        *-- devolver código de cancelación
|    |    +-------IF lnRecNo = RECNO()
|    |    |        RETURN FILE_CANCEL
|    |    +-------ENDIF
|    |
|    |        *-- Si obtenemos esto, todo va bien
|    |        thisform.RefreshForm()
|    |        RETURN FILE_OK
|    +-------ELSE
|    |        RETURN FILE_BOF
|    +-------ENDIF
|
|
|
|
+-------ENDPROC
+-------PROCEDURE SAVE
|        LOCAL laError[AERRORARRAY], ;
|            llError
|
|        llError = !thisform.WriteBuffer()
```

```
|
|      +-------IF !llError AND !this.DataChanged()
|      |          RETURN .T.
|      +-------ENDIF
|
|      +-------IF !llError
|      |          llError = !TABLEUPDATE(.T.)
|      |      +-------IF llError
|      |      |      +-------IF AERROR(laError) > 0
|      |      |      |              *-- Dejar que el controlador de errores del
formulario trate el error
|      |      |      |              thisform.Error(laError[1])
|      |      |      +-------ENDIF
|      |      +-------ELSE
|      |      |              *-- Forzar las relaciones que se van a actualizar
|      |      |              GO (RECNO())
|      |      |              WAIT Window NOWAIT INFSAVED_LOC
|      |      +-------ENDIF
|      +-------ENDIF
|
|          RETURN !llError
|
|
|
|
+-------ENDPROC
+-------PROCEDURE Delete
|          LOCAL lnRecNo, ;
|              llRetVal
|
|          llRetVal = .T.
|      +-------IF MESSAGEBOX(DELETEREC_LOC, ;
|      |              MB_ICONQUESTION + MB_YESNO, ;
|      |              DELETEWARN_LOC) = IDNO
|      |          RETURN .F.
|      +-------ENDIF
|
|          *-- Si se va a agregar un nuevo registro, revertirlo
|      +-------IF "3" $ GETFLDSTATE(-1) OR "4" $ GETFLDSTATE(-1)
|      |          thisform.RESTORE()
|      |          RETURN .T.
|      +-------ENDIF
|
```

```
|              lnRecNo = RECNO()
|              Delete
|
|              *-- Cuando está en uso el almacenamiento en búfer, necesita salir
|              *-- del registro para eliminarlo realmente. Quizá no
|              *-- funcione correctamente si falla el desencadenante Delete.
|              Skip
|     +-------IF EOF()
|     |            Skip -1
|     |     +-------IF !BOF()
|     |     |            thisform.RefreshForm()
|     |     +-------ELSE
|     |     |            *-- Preguntar si se va a agregar un nuevo registro si el
usuario
|     |     |            *-- eliminó el último registro del archivo
|     |     |     +-------IF (MESSAGEBOX(ADDNEWREC_LOC, ;
|     |     |     |            MB_ICONQUESTION + MB_YESNO, ;
|     |     |     |            TASTRADE_LOC)) = IDYES
|     |     |     |            thisform.addnew()
|     |     |     +-------ELSE
|     |     |     |            *-- Si el usuario no quiere agregar un nuevo
registro, no
|     |     |     |            *-- tiene sentido dejar el formulario abierto.
|     |     |     |            thisform.Release()
|     |     |     +-------ENDIF
|     |     +-------ENDIF
|     +-------ELSE
|     |     +-------IF lnRecNo = RECNO()
|     |     |            llRetVal = .F.
|     |     +-------ELSE
|     |     |            thisform.RefreshForm()
|     |     +-------ENDIF
|     +-------ENDIF
|
|              RETURN llRetVal
+-------ENDPROC
+-------PROCEDURE addnew
|              *-- Agregar un registro en blanco al final de la tabla
|     +-------IF thisform.WriteBuffer()
|     |     +-------IF thisform.IsNewAndEmpty()
|     |     |            thisform.RESTORE()
```

```
|    |       +-------ELSE
|    |    |       +-------IF thisform.DataChanged() AND
thisform.AskToSave() = IDCANCEL
|    |    |    |            RETURN .F.
|    |    |       +-------ENDIF
|    |       +-------ENDIF
|    |
|    |            APPEND BLANK
|    |            thisform.RefreshForm()
|       +-------ENDIF
|
+-------ENDPROC
+-------PROCEDURE RESTORE
|            *-- Cancelar todos los cambios realizados por el usuario
|            =TABLEREVERT(.T.)
|
|       +-------IF EOF()
|       |            Skip -1
|       |       +-------IF BOF()
|       |       |            thisform.Release()
|       |       +-------ENDIF
|       +-------ENDIF
|
|            thisform.RefreshForm()
+-------ENDPROC
+-------PROCEDURE WriteBuffer
|            LOCAL llRetVal
|            llRetVal = .T.
|
|            *-- Código para guardar el valor del campo en búfer
|            *-- al hacer clic en la barra de herramientas sin salir del campo
|            *-- No hacer esto para una cuadrícula porque ésta puede
|            *-- cambiar inesperadamente las áreas de trabajo
|       +-------IF TYPE("thisform.ActiveControl") == "O" AND ;
|    |    |            UPPER(thisform.ActiveControl.BaseClass) <> "GRID"
|    |       +-------IF TYPE("thisform.ActiveControl.ControlSource") <> "U"
AND ;
|    |    |            !Empty(thisform.ActiveControl.ControlSource)
|    |    |       +-------IF EVAL(thisform.ActiveControl.ControlSource) <>
thisform.ActiveControl.Value
|    |    |    |            REPLACE (thisform.ActiveControl.ControlSource)
WITH thisform.ActiveControl.Value
```

```
|   |   |   |                *-- Confiamos en que revertiremos el valor del
campo
|   |   |   |                *-- en el método de evento Error para el
formulario.
|   |   |   |                llRetVal =
(EVAL(thisform.ActiveControl.ControlSource) =
thisform.ActiveControl.Value)
|   |   |        +-------ENDIF
|   |     +-------ENDIF
|     +-------ENDIF
|
|           RETURN llRetVal
+-------ENDPROC
+-------PROCEDURE RefreshForm
|           *-- Ofreciendo un método personal de actualización del
|           *-- formulario como éste, podemos bloquear la pantalla cada vez
|           *-- que actualicemos, así como anular este método para un
proceso
|           *-- personal de actualización en una subclase. (Vea la clase de
Historial de pedido).
|           thisform.LockScreen = .T.
|           thisform.Refresh()
|           thisform.LockScreen = .F.
+-------ENDPROC
+-------PROCEDURE waitmode
|           *-- Cambia el cursor del mouse para el formulario y todo lo que
esté basado en lo secundario
|           *-- del valor del parámetro tlWaitMode
|           LPARAMETERS tlWaitMode
|
|           lnMousePointer = IIF(tlWaitMode, MOUSE_HOURGLASS,
MOUSE_DEFAULT)
|           thisform.MousePointer = lnMousePointer
|           thisform.SetAll('MousePointer', lnMousePointer)
|
+-------ENDPROC
+-------PROCEDURE restorewindowpos
|           LPARAMETERS tcEntry
|           LOCAL  lcBuffer, ;
|               lcOldError, ;
|               lnTop, ;
|               lnLeft, ;
```

```
|              llError, ;
|              lnCommaPos, ;
|              lcEntry
|
|     +-------IF PCOUNT() = 0
|     |          lcEntry = thisform.Caption
|     +-------ELSE
|     |          lcEntry = tcEntry
|     +-------ENDIF
|
|          lcBuffer = SPACE(10) + CHR(0)
|          lcOldError = ON('ERROR')
|
|          *-- Leer la posición de la ventana desde el archivo INI
|     +-------IF GetPrivStr("WindowPositions", lcEntry, "", ;
|     |              @lcBuffer, LEN(lcBuffer), ;
|     |              CURDIR() + INIFILE) > 0
|     |          *-- If an error occurs while parsing the string,
|     |          *-- just ignore the string and use the form's
|     |          *-- defaults
|     |          ON Error llError = .T.
|     |          lnCommaPos = AT(",", lcBuffer)
|     |          lnTop  = VAL(Left(lcBuffer, lnCommaPos - 1))
|     |          lnLeft = VAL(SUBSTR(lcBuffer, lnCommaPos + 1))
|     |          ON Error &lcOldError
|     |     +-------IF !llError
|     |     |          thisform.Top = lnTop
|     |     |          thisform.Left = lnLeft
|     |     +-------ENDIF
|     +-------ENDIF
|
+-------ENDPROC
+-------PROCEDURE savewindowpos
|          LPARAMETERS tcEntry
|          LOCAL lcValue, ;
|              lcEntry
|
|     +-------IF PCOUNT() = 0
|     |          lcEntry = thisform.Caption
|     +-------ELSE
|     |          lcEntry = tcEntry
|     +-------ENDIF
```

```
|         lcValue = ALLT(STR(MAX(thisform.Top, 0))) + ',' + ;
|              ALLT(STR(MAX(thisform.Left, 0)))
|         *-- Escribir la entrada en el archivo INI
|         =WritePrivStr("WindowPositions", lcEntry, ;
|              lcValue, CURDIR() + INIFILE)
|
+-------ENDPROC
+-------PROCEDURE addtomenu
|         *-- Agregar el título del formulario al menú Ventana
|         LOCAL lnBar
|
|    +-------IF TYPE("oApp") == "O"
|    |         *-- Buscar el siguiente número de barra disponible
|    |    +-------IF CNTBAR("Window") = 0 OR ;
|    |    |              GETBAR("Window", CNTBAR("Window")) < 0
&& En una BARRA del sistema de Fox
|    |    |              lnBar = CNTBAR("Window") + 1
|    |    +-------ELSE
|    |    |              lnBar = GETBAR("Window", CNTBAR("Window")) +
1
|    |    +-------ENDIF
|    |
|    |         DEFINE BAR lnBar OF Window PROMPT
thisform.Caption AFTER _MLAST
|    |         lcFormName = thisform.Name
|    |         ON SELECTION BAR lnBar OF Window Activate Window
&lcFormName
|    +-------ENDIF
|
|
+-------ENDPROC
+-------PROCEDURE removefrommenu
|         LPARAMETERS tcCaption
|         LOCAL lnBar, ;
|              lcCaption
|
|    +-------IF PCOUNT() = 0
|    |              lcCaption = thisform.Caption
|    +-------ELSE
|    |              lcCaption = tcCaption
|    +-------ENDIF
|
```

```
|
|                *-- Quitar el título del formulario del menú Ventana.
|                *-- Comprobamos si el objeto Application existe
|                *-- para evitar mensajes de error al ejecutar el
|                *-- formulario fuera del proyecto
|     +-------IF TYPE('oApp') == "O"
|     |     +-------FOR lnBar = CNTBAR("Window") TO 1 STEP -1
|     |     |     +-------IF PRMBAR("Window", GETBAR("Window",
lnBar)) = lcCaption
|     |     |     |            Release BAR GETBAR("Window", lnBar) OF
Window
|     |     |     |            EXIT
|     |     |     +-------ENDIF
|     |     +-------ENDFOR
|     +-------ENDIF
|
+-------ENDPROC
+-------PROCEDURE DataChanged
|                *-- Supone la tabla o la vista para el área de trabajo actual
|                *-- Devuelve .T. si ha cambiado algún dato
|     +-------IF ISNULL(GETFLDSTATE(-1))
|     |            RETURN .F.
|     +-------ELSE
|     |            RETURN ("2" $ GETFLDSTATE(-1) OR ;
|     |                "4" $ GETFLDSTATE(-1))
|     +-------ENDIF
+-------ENDPROC
+-------PROCEDURE AskToSave
|            LOCAL lnAnswer
|            *-- Pedir al usuario que guarde los cambios, y guardar
|            *-- o restaurar en base a su respuesta
|            lnAnswer = MESSAGEBOX(SAVECHANGES_LOC, ;
|                MB_ICONQUESTION + MB_YESNOCANCEL, ;
|                TASTRADE_LOC)
|     +-------DO CASE
|     +-------CASE lnAnswer = IDYES
|     |     +-------IF !thisform.SAVE()
|     |     |            lnAnswer = IDCANCEL
|     |     +-------ENDIF
|     +-------CASE lnAnswer = IDNO
|     |            thisform.RESTORE()
|     +-------ENDCASE
|
```

```
|            RETURN lnAnswer
+-------ENDPROC
+-------PROCEDURE IsNewAndEmpty
|            *-- Devolver .T. si un usuario ha agregado un nuevo registro
|            *-- pero no ha hecho ningún cambio todavía.
|            RETURN (VAL(GETFLDSTATE(-1)) % VAL(REPLICATE("3",
LEN(GETFLDSTATE(-1)))))) = 0
+-------ENDPROC
+-------PROCEDURE QueryUnload
|            *-- Si no tenemos ninguna barra de herramientas, supondremos
que no
|            *-- vamos a hacer ninguna modificación, y se devolverá .T.
|     +-------IF Empty(thisform.ctoolbar)
|     |            RETURN .T.
|     +-------ENDIF
|
|
|            *-- Escribir el contenido del control actual
|     +-------IF !thisform.WriteBuffer()
|     |            NODEFAULT
|     |            RETURN .F.
|     +-------ENDIF
|
|            *-- Si se va a agregar un nuevo registro pero no se ha introducido
nada todavía
|     +-------IF thisform.IsNewAndEmpty()
|     |            thisform.RESTORE()
|     +-------ELSE
|     |     +-------IF thisform.DataChanged() AND thisform.AskToSave() =
IDCANCEL
|     |     |            NODEFAULT
|     |     |            RETURN .F.
|     |     +-------ENDIF
|     +-------ENDIF
+-------ENDPROC
+-------PROCEDURE Unload
|            SET Message TO
|
+-------ENDPROC
+-------PROCEDURE Init
|            *-- (c) Microsoft Corporation 1995
|
```

```
|          LOCAL lnMenuNum, ;
|              lcFormName
|
|          *-- Restaurar la posición de la ventana desde el archivo INI
|          thisform.restorewindowpos()
|    +-------IF !Empty(thisform.ctoolbar) AND ;
|    |              TYPE("oApp") == "O"
|    |          *-- Agregar el título del formulario al menú
|    |          thisform.addtomenu()
|    |          *-- Mostrar la barra de herramientas de desplazamiento
|    |          oApp.ShowNavToolBar(thisform.ctoolbar)
|    +-------ENDIF
|
|          *-- Inicializar la matriz predeterminada de mensajes de error
|          thisform.aErrorMsg[INSERTTRIG] = INSERTTRIGFAIL_LOC
|          thisform.aErrorMsg[UPDATETRIG] =
UPDATETRIGFAIL_LOC
|          thisform.aErrorMsg[DELETETRIG] = DELETETRIGFAIL_LOC
|
+-------ENDPROC
+-------PROCEDURE Activate
|          LOCAL lcAlias
|          *-- Asegurarse de que se selecciona el alias apropiado
|          *-- siempre que se activa este formulario
|          lcAlias = thisform.DataEnvironment.InitialSelectedAlias
|    +-------IF !Empty(lcAlias)
|    |          SELECT (lcAlias)
|    +-------ENDIF
|
|          *-- Si este formulario está usando una barra de herramientas,
actualizarlo
|    +-------IF !Empty(thisform.ctoolbar) AND ;
|    |              TYPE("oApp.oToolbar") == "O"
|    |          oApp.oToolbar.Refresh()
|    +-------ENDIF
|
|          *-- Force the menu to refresh
|          Activate MENU _MSYSMENU NOWAIT
|
|          *-- Actualizar el mensaje de la barra de estado
|          SET Message TO thisform.Caption
|
```

```
|          *-- Si no hay ningún registro en el archivo, informar al
|          *-- usuario de que vamos a cambiar al modo de agregar.
|      +-------IF EOF()
|      |      Skip -1
|      |      +-------IF BOF()
|      |      |          =MESSAGEBOX(ENTERADDMODE_LOC, ;
|      |      |              mb_iconinformation, ;
|      |      |              TASTRADE_LOC)
|      |      |          thisform.addnew()
|      |      +-------ENDIF
|      +-------ENDIF
|
+-------ENDPROC
+-------PROCEDURE Destroy
|          *-- Hacer que el formulario desaparezca antes de hacer nada más
|          thisform.Visible = .F.
|
|      +-------IF TYPE('oApp') == "O"
|      |      +-------IF TYPE("this.ctoolbar") <> "U" AND ;
|      |      |              !Empty(this.ctoolbar)
|      |      |          *-- Quitar del menú el título del formulario
|      |      |          this.removefrommenu()
|      |      |          *-- Liberar la barra de herramientas de desplazamiento
|      |      |          oApp.ReleaseNavToolBar()
|      |      +-------ENDIF
|      +-------ENDIF
|
|          *-- Guardar la posición de la ventana en el archivo INI
|          thisform.savewindowpos()
+-------ENDPROC
+-------PROCEDURE Error
|          LPARAMETERS nError, cMethod, nLine
|          LOCAL llHandledError, ;
|              laError[AERRORARRAY], ;
|              lcMessage, ;
|              lnAnswer
|
|          *-- Cargar laError con información de error
|          =AERROR(laError)
|      +-------DO CASE
|      +-------CASE nError = 1539    && Falló el desencadenante
|      |          ?? CHR(7)
```

```
|    |              *-- Usar la matriz de propiedades de formulario para
recuperar el mensaje
|    |              *-- de error apropiado, que se inicializó en el método de
evento Init() del formulario.
|    |              =MESSAGEBOX(thisform.aErrorMsg[laError[5]], ;
|    |                   mb_iconexclamation, ;
|    |                   TASTRADE_LOC)
|    |              *-- Restaurar el formulario si falló el desencadenante Delete
|    |         +-------IF laError[5] = DeleteTrig
|    |         |         thisform.RESTORE()
|    |         +-------ENDIF
|    |              llHandledError = .T.
|    +-------CASE nError = 1583    && Falló la regla de la tabla
|    |              *-- Suponemos que el mensaje de error apropiado se mostró
|    |              *-- dentro de la regla de la tabla. Por tanto,
|    |              *-- no es necesario tratar el error aquí.
|    |         +-------IF DEBUGMODE
|    |         |              *-- Si estamos en modo de depuración, mostrar una
ventana de
|    |         |              *-- espera para indicar que falla la regla de tabla.
|    |         |              WAIT Window NOWAIT TABLERULEFAIL_LOC
|    |         +-------ENDIF
|    |              llHandledError = .T.
|    |
|    +-------CASE nError = 1582    && Se ha violado la regla de campo
|    |              ?? CHR(7)
|    |              lcMessage = DBGETPROP(Alias() + "." + laError[3],
"Field", "RuleText")
|    |              lcMessage = STRTRAN(lcMessage, "", ")
|    |              =MESSAGEBOX(lcMessage, ;
|    |                   mb_iconexclamation, ;
|    |                   TASTRADE_LOC)
|    |
|    +-------OTHERWISE
|    |              ?? CHR(7)
|    |              lcMessage = Message() + CR + ;
|    |                   METHOD_LOC + cMethod + CR + ;
|    |                   LINENUM_LOC + ALLT(STR(nLine))
|    |              lnAnswer = MESSAGEBOX(lcMessage, ;
|    |                   MB_ICONSTOP + MB_ABORTRETRYIGNORE, ;
|    |                   ERRORTITLE_LOC)
|    |         +-------DO CASE
```

```
|     |       +-------CASE lnAnswer = IDABORT
|     |       |            SUSPEND
|     |       +-------CASE lnAnswer = IDRETRY
|     |       |            RETRY
|     |       +-------OTHERWISE
|     |       |            RETURN
|     |       +-------ENDCASE
|     +-------ENDCASE
|
|           RETURN llHandledError
|
+-------ENDPROC
        Arial, 1, 8, 5, 14, 11, 14, 3, 0
        Caption = "Herramientas de desplazamiento"
        Height = 28
        Left = 6
        Top = 6
        Width = 218
        ControlBox = .F.
        Name = "tstoolbar"
+-------PROCEDURE OKToSend
|           RETURN (FormIsObject() AND ;
|               TYPE("_screen.ActiveForm.cToolBar") <> "U" AND ;
|               !Empty(_SCREEN.ActiveForm.ctoolbar))
|
+-------ENDPROC
+-------PROCEDURE savewindowpos
|           LOCAL lcValue
|
|     +-------IF this.Docked
|     |           lcValue = ALLT(STR(this.DockPosition))
|     +-------ELSE
|     |           lcValue = ALLT(STR(thisform.Top)) + ',' + ;
|     |               ALLT(STR(thisform.Left))
|     +-------ENDIF
|           =WritePrivStr("WindowPositions", this.Caption, ;
|               lcValue, CURDIR() + INIFILE)
|
+-------ENDPROC
+-------PROCEDURE restorewindowpos
|           LOCAL lcBuffer, ;
|               lcOldError, ;
```

```
|                    lnTop, ;
|                    lnLeft, ;
|                    llError, ;
|                    lnCommaPos, ;
|                    lnDockPosition
|
|            lcBuffer = SPACE(10) + CHR(0)
|            lcOldError = ON('ERROR')
|            lnDockPosition = 0
|
|            *-- Escribir la posición de la barra de herramientas en el archivo
INI
|     +-------IF GetPrivStr("WindowPositions", this.Caption, "", ;
|     |                @lcBuffer, LEN(lcBuffer), ;
|     |                CURDIR() + INIFILE) > 0
|     |            *-- Si ocurre un error al analizar la cadena,
|     |            *-- pasar por alto la cadena y utilizar los valores
|     |            *-- predeterminados del formulario
|     |            ON Error llError = .T.
|     |            lnCommaPos = AT(",", lcBuffer)
|     |     +-------IF lnCommaPos > 0
|     |     |            lnTop  = VAL(Left(lcBuffer, lnCommaPos - 1))
|     |     |            lnLeft = VAL(SUBSTR(lcBuffer, lnCommaPos + 1))
|     |     +-------ELSE
|     |     |            lnDockPosition = VAL(lcBuffer)
|     |     +-------ENDIF
|     |            ON Error &lcOldError
|     |     +-------IF !llError
|     |     |            *-- Si la posición contiene una coma, establecer
|     |     |            *-- las propiedades apropriadas; de lo contrario, llamar
|     |     |            *-- al método Dock.
|     |     |     +-------IF lnCommaPos > 0
|     |     |     |            this.Top = lnTop
|     |     |     |            this.Left = lnLeft
|     |     |     +-------ELSE
|     |     |     |            this.Dock(lnDockPosition)
|     |     |     +-------ENDIF
|     |     +-------ENDIF
|     +-------ELSE
|     |            RETURN .F.
|     +-------ENDIF
|
```

```
+-------ENDPROC
+-------PROCEDURE Refresh
|          LPARAMETERS tcCondition
|          LOCAL llBOF, ;
|               llEOF, ;
|               llAllowEdits, ;
|               llAllowNew
|
|      +-------IF PARAMETERS() = 0
|      |          tcCondition = ""
|      +-------ENDIF
|
|          llBOF = BOF() OR (tcCondition = "BOF")
|          llEOF = EOF() OR (tcCondition = "EOF")
|
|          *-- Actualizar los botones de desplazamiento
|          this.cmdFirst.Enabled = !llBOF
|          this.cmdPrior.Enabled = !llBOF
|          this.cmdNext.Enabled = !llEOF
|          this.cmdLast.Enabled = !llEOF
|
|          *-- Botones 'Actualizar ahora', 'Guardar', 'Restaurar' y 'Cerrar'
|      +-------IF FormIsObject()
|      |   +-------IF TYPE("_screen.Activeform.lAllowEdits") <> "U"
|      |   |          llAllowEdits = _SCREEN.ActiveForm.lallowedits
|      |   |          llAllowNew = _SCREEN.ActiveForm.lallownew
|      |   |          this.cmdNew.Enabled = llAllowNew
|      |   |          this.cmdSave.Enabled = llAllowEdits
|      |   |          this.cmdRestore.Enabled = llAllowEdits
|      |   +-------ENDIF
|      |          this.cmdClose.Enabled = _SCREEN.ActiveForm.Closable
|      +-------ENDIF
|
|          RETURN
|
|          *-- Gráfico para ayudar a determinar la propiedad activada
|          *-- de los botones de desplazamiento en base a los
|          *-- valores llBOF y llEOF.
|          *        PRIMERO  ANTERIOR  SIGUIENTE  ÚLTIMO
|          * EOF, BOF   .F.      .F.       .F.      .F.
|          * EOF, !BOF  .T.      .T.       .F.      .F.
+-------ENDPROC
```

```
+-------PROCEDURE Destroy
|           *-- Guardar la posición de la barra de herramientas
|           this.savewindowpos()
|           *-- Hacer que la barra de herramientas desaparezca más
rápidamente
|           this.Visible = .F.
|
+-------ENDPROC
+-------PROCEDURE Init
|           *-- (c) Microsoft Corporation 1995
|
|           *-- Restaurar la posición de la barra de herramientas
|    +-------IF !this.restorewindowpos()
|    |           *-- El valor predeterminado es anclar la barra de
herramientas en la parte superior
|    |           this.Dock(TOOL_TOP)
|    +-------ENDIF
|
+-------ENDPROC
      Top = 4
      Left = 6
      Height = 22
      Width = 22
      Picture = ..\bitmaps\frsrec_s.bmp
      Caption = ""
      Default = .F.
      TabIndex = 1
      ToolTipText = "Primero (CTRL+INICIO)"
      Name = "cmdFirst"
+-------PROCEDURE Click
|           LOCAL lnResult
|           lnResult = _SCREEN.ActiveForm.First()
|    +-------DO CASE
|    +-------CASE lnResult = FILE_BOF
|    |           this.Parent.Refresh("BOF")
|    +-------ENDCASE
|
|
|
|
|
|
```

```
+-------ENDPROC
     Top = 4
     Left = 27
     Height = 22
     Width = 22
     Picture = ..\bitmaps\prvrec_s.bmp
     Caption = ""
     Default = .F.
     TabIndex = 2
     ToolTipText = "Anterior (CTRL+RE PÁG)"
     Name = "cmdPrior"
+-------PROCEDURE Click
|          LOCAL lnResult
|          lnResult = _SCREEN.ActiveForm.prior()
|     +-------DO CASE
|     +-------CASE lnResult = FILE_BOF
|     |          this.Parent.Refresh("BOF")
|     +-------CASE lnResult = FILE_OK
|     |          this.Parent.Refresh()
|     +-------ENDCASE
|
|
|
|
|
+-------ENDPROC
     Top = 4
     Left = 48
     Height = 22
     Width = 22
     Picture = ..\bitmaps\nxtrec_s.bmp
     Caption = ""
     Default = .F.
     TabIndex = 3
     ToolTipText = "Siguiente (CTRL+AV PÁG)"
     Name = "cmdNext"
+-------PROCEDURE Click
|          LOCAL lnResult
|          lnResult = _SCREEN.ActiveForm.NEXT()
|     +-------DO CASE
|     +-------CASE lnResult = FILE_EOF
|     |          this.Parent.Refresh("EOF")
```

```
|      +-------CASE lnResult = FILE_OK
|      |            this.Parent.Refresh()
|      +-------ENDCASE
|
|
+-------ENDPROC
         Top = 4
         Left = 69
         Height = 22
         Width = 22
         Picture = ..\bitmaps\lstrec_s.bmp
         Caption = ""
         Default = .F.
         TabIndex = 4
         ToolTipText = "Último (CTRL+FIN)"
         Name = "cmdLast"
+-------PROCEDURE Click
|            LOCAL lnResult
|            lnResult = _SCREEN.ActiveForm.LAST()
|      +-------DO CASE
|      +-------CASE lnResult = FILE_EOF
|      |            this.Parent.Refresh("EOF")
|      +-------ENDCASE
+-------ENDPROC
         Top = 4
         Left = 96
         Height = 0
         Width = 0
         Name = "Separator1"
         Top = 4
         Left = 96
         Height = 22
         Width = 22
         Picture = ..\bitmaps\new.bmp
         Caption = ""
         Default = .F.
         TabIndex = 5
         ToolTipText = "Nuevo (CTRL+N)"
         Name = "cmdNew"
+-------PROCEDURE Click
|            _SCREEN.ActiveForm.addnew()
|
```

```
+-------ENDPROC
        Top = 4
        Left = 117
        Height = 22
        Width = 22
        Picture = ..\bitmaps\SAVE.bmp
        Caption = ""
        Default = .F.
        TabIndex = 6
        ToolTipText = "Guardar (CTRL+S)"
        Name = "cmdSave"
+-------PROCEDURE Click
|           _SCREEN.ActiveForm.SAVE()
|
|
+-------ENDPROC
        Top = 4
        Left = 138
        Height = 22
        Width = 22
        Picture = ..\bitmaps\UnDo.bmp
        Caption = ""
        Default = .F.
        TabIndex = 7
        ToolTipText = "Restaurar (CTRL+E)"
        Name = "cmdRestore"
+-------PROCEDURE Click
|           _SCREEN.ActiveForm.RESTORE()
|
|
|
|
|
+-------ENDPROC
        Top = 4
        Left = 165
        Height = 0
        Width = 0
        Name = "Separator3"
        Top = 4
        Left = 165
        Height = 22
```

```
      Width = 22
      Picture = ..\bitmaps\CLOSE.bmp
      Caption = ""
      Default = .F.
      ToolTipText = "Cerrar (CTRL+F4)"
      Name = "cmdClose"
+-------PROCEDURE Click
|     +-------IF _SCREEN.ActiveForm.QueryUnload()
|     |     +-------IF FormIsObject()
|     |     |           _SCREEN.ActiveForm.Release()
|     |     +-------ENDIF
|     +-------ENDIF
+-------ENDPROC
      Top = 4
      Left = 192
      Height = 1
      Width = 1
      Name = "separator2"
      Top = 4
      Left = 192
      Height = 22
      Width = 22
      Picture = ..\bitmaps\bhind_s.bmp
      Caption = ""
      Default = .F.
      TabIndex = 8
      ToolTipText = "Información técnica"
      Name = "cmdBehindSC"
+-------PROCEDURE Click
|           oApp.DoForm("behindsc")
+-------ENDPROC
      Arial, 1, 10, 6, 16, 13, 16, 3, 0
      RecordSource = "customer"
      FontName = "MS Sans Serif"
      FontSize = 8
      Height = 152
      Width = 397
      Name = "grid1"
      ScaleMode = 3
      Top = 6
      Left = 6
      DoCreate = .T.
```

```
wizbuttons = 0
wizbtnpos = 0
Name = "nobtns"
Height = 2
Left = 1
Top = 48
Width = 584
Name = "Shape1"
Height = 2
Left = 3
Top = 264
Width = 584
Name = "Shape2"
FontSize = 14
BackStyle = 0
Caption = "Etiqueta1"
Height = 22
Left = 27
Top = 12
Width = 62
AutoSize = .T.
Name = "Label1"
Height = 68
Width = 68
wizeffect = 0
Name = "wizshape"
Width = 517
Height = 205
TabIndex = 0
odimensions = Shape1
olabel1 = Shape2
olabel2 = Shape3
ocol2 = Shape4
Name = "layoutsty"
Height = 205
Left = 0
Top = 0
Width = 517
Name = "Shape1"
Height = 13
Left = 24
Top = 24
```

Width = 37
Name = "Shape2"
Height = 13
Left = 24
Top = 45
Width = 37
Name = "Shape3"
Height = 13
Left = 228
Top = 24
Width = 37
Name = "Shape4"
FontBold = .F.
FontName = "Arial"
FontSize = 8
Height = 21
Width = 113
Name = "embossedfield"
Arial, 0, 8, 5, 14, 11, 12, 3, 0
FontBold = .F.
FontName = "Arial"
FontSize = 8
BackStyle = 0
Caption = "Etiqueta1"
Height = 13
Width = 43
Name = "embossedlabel"
Arial, 0, 8, 5, 14, 11, 12, 3, 0
Height = 15
Width = 72
FontBold = .F.
FontName = "Arial"
FontSize = 8
BackStyle = 0
Caption = "Casilla1"
Name = "embossedlogic"
Arial, 0, 8, 5, 14, 11, 12, 3, 0
FontBold = .F.
FontName = "Arial"
FontSize = 8
Alignment = 0
Height = 50

Width = 150
Name = "embossedmemo"
Arial, 0, 8, 5, 14, 11, 12, 3, 0
Height = 100
Width = 150
Visible = .T.
Sizable = .T.
Name = "embossedole"
FontBold = .T.
FontName = "MS Sans Serif"
FontSize = 8
Alignment = 3
Height = 22
SpecialEffect = 1
Width = 100
Name = "standardfield"
MS Sans Serif, 1, 8, 6, 13, 11, 12, 2, 0
FontName = "MS Sans Serif"
FontSize = 8
Alignment = 0
BackStyle = 0
Caption = "Etiqueta1"
Height = 15
Width = 39
AutoSize = .F.
Name = "standardlabel"
MS Sans Serif, 1, 8, 6, 13, 11, 12, 2, 0
Height = 16
Width = 68
FontName = "MS Sans Serif"
FontSize = 9
Alignment = 0
BackStyle = 0
Caption = "Casilla1"
SpecialEffect = 1
Name = "standardlogic"
MS Sans Serif, 1, 9, 6, 13, 11, 12, 2, 0
FontName = "MS Sans Serif"
FontSize = 8
Height = 43
SpecialEffect = 1
Width = 150

Name = "standardmemo"
MS Sans Serif, 1, 8, 6, 13, 11, 12, 2, 0
Height = 100
Width = 150
Name = "standardole"
ScaleMode = 3
DoCreate = .T.
wizlayout = layoutsty
wizfield = boxfield
wizmemo = boxmemo
wizlogic = boxlogic
wizole = boxole
wizmaxcharfld = 45
wizlblsuffix = (":")
wizlblcap = PROPER
wizformstretch = .T.
wizlbldefwid = .F.
wiztitle = Label1
wizuser = 0
wizgrid = grid1
wizverify = .T.
wizcodestyle = .T.
Name = "boxform"
Top = 62
Left = 5
Width = 571
Height = 195
TabIndex = 0
Name = "Layoutsty"
Shape1.Height = 194
Shape1.Left = 0
Shape1.Top = 0
Shape1.Width = 570
Shape1.Name = "shape1"
Shape2.Left = 16
Shape2.Top = 1
Shape2.Name = "shape2"
Shape3.Left = 16
Shape3.Top = 13
Shape3.Name = "shape3"
Shape4.Left = 55
Shape4.Top = 1

```
Shape4.Name = "shape4"
BackColor = 0,0,255
FillColor = 0,0,255
FillStyle = 0
Height = 61
Left = 0
Top = 0
Width = 580
Name = "Shape1"
FontName = "Arial"
FontSize = 20
BackColor = 255,255,255
BackStyle = 0
Caption = "Etiqueta1"
ForeColor = 255,255,255
Height = 35
Left = 21
Top = 17
Width = 87
AutoSize = .T.
Name = "Label1"
BackColor = 0,0,255
FillColor = 0,0,255
FillStyle = 0
Height = 61
Left = 0
Top = 261
Width = 580
Name = "Shape2"
Arial, 1, 10, 6, 16, 13, 14, 3, 0
Arial, 1, 20, 13, 33, 25, 28, 7, 1
ScaleMode = 3
DoCreate = .T.
BackColor = 192,192,192
wizlayout = layoutsty
wizfield = embossedfield
wizmemo = embossedmemo
wizlogic = embossedlogic
wizole = embossedole
wizmaxcharfld = 45
wizlblsuffix = (":")
wizlblcap = PROPER
```

```
wizformstretch = .T.
wizlbldefwid = .T.
wiztitle = Label1
wizuser = 0
wizgrid = grid1
wizverify = .T.
wizbtnpos = 0
wizcodestyle = .T.
wizcboxlbl = .T.
wizlabel = embossedlabel
Name = "embossedform"
Top = 54
Left = 4
Width = 571
Height = 205
TabIndex = 0
Name = "Layoutsty"
Shape1.Height = 205
Shape1.Left = 0
Shape1.Top = 0
Shape1.Width = 570
Shape1.Name = "shape1"
Shape2.Left = 6
Shape2.Top = 7
Shape2.Name = "shape2"
Shape3.Left = 6
Shape3.Top = 22
Shape3.Name = "shape3"
Shape4.Left = 49
Shape4.Top = 7
Shape4.Name = "shape4"
FontBold = .T.
FontName = "Times New Roman"
FontSize = 20
BackStyle = 0
Caption = "Etiqueta1"
Height = 34
Left = 12
Top = 8
Width = 81
AutoSize = .T.
Name = "Label1"
```

BackColor = 128,128,128
BorderColor = 128,128,128
Height = 1
Left = 5
Top = 42
Width = 568
Name = "Shape1"
BackColor = 255,255,255
BorderColor = 255,255,255
Height = 1
Left = 5
Top = 43
Width = 568
Name = "Shape2"
BackColor = 128,128,128
BorderColor = 128,128,128
Height = 1
Left = 6
Top = 264
Width = 568
Name = "Shape3"
BackColor = 255,255,255
BorderColor = 255,255,255
Height = 1
Left = 6
Top = 265
Width = 568
Name = "Shape4"
Arial, 1, 10, 6, 16, 13, 14, 3, 0
TIMES new Roman, 1, 20, 12, 32, 25, 28, 6, 1
ScaleMode = 3
DoCreate = .T.
BackColor = 255,255,255
wizlayout = layoutsty
wizfield = standardfield
wizmemo = standardmemo
wizlogic = standardlogic
wizole = standardole
wizmaxcharfld = 45
wizlblsuffix = (":")
wizlblcap = PROPER
wizformstretch = .T.

```
wizlbldefwid = .T.
wiztitle = Label1
wizuser = 0
wizgrid = grid1
wizverify = .T.
wizbtnpos = 0
wizcodestyle = .T.
wizlabel = standardlabel
wizlblspace = 10
wizcboxlbl = .T.
Name = "standardform"
Top = 6
Left = 9
Width = 561
Height = 253
TabIndex = 0
odimensions = Shape1
Name = "Layoutsty"
Shape1.Height = 252
Shape1.Left = 0
Shape1.Top = 0
Shape1.Width = 561
Shape1.Name = "shape1"
Shape2.Left = 16
Shape2.Top = 7
Shape2.Name = "shape2"
Shape3.Left = 16
Shape3.Top = 22
Shape3.Name = "shape3"
Shape4.Left = 56
Shape4.Top = 7
Shape4.Name = "shape4"
Arial, 1, 10, 6, 16, 13, 14, 3, 0
cmdEdit.Width = 62
cmdEdit.Height = 24
cmdDelete.Width = 62
cmdDelete.Height = 24
cmdAdd.Width = 62
cmdAdd.Height = 24
cmdPrint.Height = 24
cmdFind.Height = 24
cmdEnd.Width = 62
```

```
cmdEnd.Height = 24
cmdTop.Width = 62
cmdTop.Height = 24
cmdNext.Width = 62
cmdNext.Height = 24
cmdPrev.Width = 62
cmdPrev.Height = 24
Width = 68
Height = 276
Name = "verttxtbtns"
cmdPrev.Top = 24
cmdPrev.Left = 4
cmdPrev.Name = "cmdPrev"
cmdNext.Top = 48
cmdNext.Left = 4
cmdNext.Name = "cmdNext"
cmdTop.Top = 0
cmdTop.Left = 4
cmdTop.Name = "cmdTop"
cmdEnd.Top = 72
cmdEnd.Left = 4
cmdEnd.Name = "cmdEnd"
cmdFind.Top = 108
cmdFind.Left = 4
cmdFind.Width = 62
cmdFind.Name = "cmdFind"
cmdPrint.Top = 132
cmdPrint.Left = 4
cmdPrint.Width = 62
cmdPrint.Name = "cmdPrint"
cmdExit.Top = 252
cmdExit.Left = 4
cmdExit.Height = 24
cmdExit.Width = 62
cmdExit.Name = "cmdExit"
cmdAdd.Top = 168
cmdAdd.Left = 4
cmdAdd.Name = "cmdAdd"
cmdDelete.Top = 216
cmdDelete.Left = 4
cmdDelete.Name = "cmdDelete"
cmdEdit.Top = 192
```

```
cmdEdit.Left = 4
cmdEdit.Name = "cmdEdit"
MS Sans Serif, 1, 8, 6, 13, 11, 12, 2, 0
Width = 522
Height = 24
wizbmppath = (HOME()+"WIZARDS\WIZBMPS\")
Name = "picbtns"
cmdPrev.Top = 0
cmdPrev.Left = 49
cmdPrev.Width = 50
cmdPrev.Picture =
(HOME()+"WIZARDS\WIZBMPS\WZBACK.BMP")
cmdPrev.Caption = ""
cmdPrev.ToolTipText = "Registro anterior"
cmdPrev.Name = "cmdPrev"
cmdNext.Top = 0
cmdNext.Left = 98
cmdNext.Width = 50
cmdNext.Picture =
(HOME()+"WIZARDS\WIZBMPS\WZNEXT.BMP")
cmdNext.Caption = ""
cmdNext.ToolTipText = "Registro siguiente"
cmdNext.ColorSource = 0
cmdNext.Name = "cmdNext"
cmdTop.Top = 0
cmdTop.Left = 0
cmdTop.Width = 50
cmdTop.Picture = (HOME()+"WIZARDS\WIZBMPS\WZTOP.BMP")
cmdTop.Caption = ""
cmdTop.ToolTipText = "Primer registro"
cmdTop.Name = "cmdTop"
cmdEnd.Top = 0
cmdEnd.Left = 147
cmdEnd.Width = 50
cmdEnd.Picture =
(HOME()+"WIZARDS\WIZBMPS\WZEND.BMP")
cmdEnd.Caption = ""
cmdEnd.ToolTipText = "Último registro"
cmdEnd.Name = "cmdEnd"
cmdFind.Top = 0
cmdFind.Left = 206
cmdFind.Width = 50
```

```
          cmdFind.Picture =
(HOME()+"WIZARDS\WIZBMPS\WZLOCATE.BMP")
          cmdFind.Caption = ""
          cmdFind.ToolTipText = "Buscar registros"
          cmdFind.Name = "cmdFind"
          cmdPrint.Top = 0
          cmdPrint.Left = 255
          cmdPrint.Width = 50
          cmdPrint.Picture =
(HOME()+"WIZARDS\WIZBMPS\WZPRINT.BMP")
          cmdPrint.Caption = ""
          cmdPrint.ToolTipText = "Imprimir informe"
          cmdPrint.Name = "cmdPrint"
          cmdExit.Top = 0
          cmdExit.Left = 471
          cmdExit.Width = 50
          cmdExit.Picture =
(HOME()+"WIZARDS\WIZBMPS\WZCLOSE.BMP")
          cmdExit.Caption = ""
          cmdExit.ToolTipText = "Salir del formulario"
          cmdExit.Name = "cmdExit"
          cmdAdd.Top = 0
          cmdAdd.Left = 314
          cmdAdd.Width = 50
          cmdAdd.Picture =
(HOME()+"WIZARDS\WIZBMPS\WZNEW.BMP")
          cmdAdd.Caption = ""
          cmdAdd.ToolTipText = "Agregar/Guardar registro"
          cmdAdd.Name = "cmdAdd"
          cmdDelete.Top = 0
          cmdDelete.Left = 412
          cmdDelete.Width = 50
          cmdDelete.Picture =
(HOME()+"WIZARDS\WIZBMPS\WZDELETE.BMP")
          cmdDelete.Caption = ""
          cmdDelete.ToolTipText = "Eliminar registro"
          cmdDelete.Name = "cmdDelete"
          cmdEdit.Top = 0
          cmdEdit.Left = 363
          cmdEdit.Width = 50
          cmdEdit.Picture =
(HOME()+"WIZARDS\WIZBMPS\WZEDIT.BMP")
```

```
          cmdEdit.Caption = ""
          cmdEdit.ToolTipText = "Modificar/Revertir registro"
          cmdEdit.Name = "cmdEdit"
 +-------PROCEDURE Init
 |
 |          TxtBtns::Init()
 |          thisform.ShowTips = .T.
 |
 +-------ENDPROC
 +-------PROCEDURE setcaption
 |     +-------IF !this.editmode
 |     |          this.cmdAdd.Picture = this.wizbmppath+"wznew.bmp"
 |     |          this.cmdEdit.Picture = this.wizbmppath+"wzedit.bmp"
 |     |          this.cmdAdd.DownPicture = this.wizbmppath+"wznew.bmp"
 |     |          this.cmdEdit.DownPicture = this.wizbmppath+"wzedit.bmp"
 |     +-------ELSE
 |     |          this.cmdAdd.Picture = this.wizbmppath+"wzsave.bmp"
 |     |          this.cmdEdit.Picture = this.wizbmppath+"wzundo.bmp"
 |     |          this.cmdAdd.DownPicture = this.wizbmppath+"wzsave.bmp"
 |     |          this.cmdEdit.DownPicture =
this.wizbmppath+"wzundo.bmp"
 |     +-------ENDIF
 +-------ENDPROC
          MS Sans Serif, 1, 8, 6, 13, 11, 12, 2, 0
          ScaleMode = 3
          Height = 293
          Width = 498
          DoCreate = .T.
          AutoCenter = .T.
          BackColor = 192,192,192
          Caption = "Agregar registro"
          WindowType = 1
          Name = "gridaddform"
 +-------PROCEDURE Init
 |          LPARAMETERS
cFldKey,cKeyValue,nBtnAction,nAddAction,lChildPrimaryKey,lUpdatable
ParentKey,lNoSendUpdates
 |
 |     +-------IF PARAMETERS() # 7
 |     |          RETURN .F.
 |     +-------ENDIF
 |
```

```
|              this.CommandGroup1.Value = 0
|              this.Label3.Caption = m.cFldKey
|              this.cKeyValue = m.cKeyValue
|
|       +-------DO CASE
|       +-------CASE m.lNoSendUpdates
|       |           * Send Parent Updates
|       |           this.Optiongroup1.Option1.Enabled = .F.
|       |           this.Optiongroup1.Option3.Enabled = .F.
|       +-------CASE !m.lUpdatableParentKey
|       |           * Updatable parent key
|       |           this.Optiongroup1.Option3.Enabled = .F.
|       +-------ENDCASE
|
|               * Has a primary key
|       +-------IF m.lChildPrimaryKey
|       |           this.Optiongroup1.Option2.Enabled = .F.
|       +-------ENDIF
|
|       +-------DO CASE
|       +-------CASE TYPE('THIS.cKeyValue') = "C"
|       |           this.Text1.Value = ""
|       +-------CASE ATC(TYPE('THIS.cKeyValue'),"NYIBF") # 0
|       |           this.Text1.Value = 0
|       +-------CASE ATC(TYPE('THIS.cKeyValue'),"DT") # 0
|       |           this.Text1.Value = {//}
|       +-------CASE TYPE('THIS.cKeyValue') = "L"
|       |           this.Text1.Value = .T.
|       +-------ENDCASE
|
+-------ENDPROC
      AutoSize = .T.
      ButtonCount = 3
      BackStyle = 0      .
      BorderStyle = 0
      Value = 2
      ControlSource = "nAddAction"
      Height = 68
      Left = 36
      SpecialEffect = 0
      Top = 48
      Width = 331
```

```
TabIndex = 1
Name = "Optiongroup1"
Option1.BackStyle = 0
Option1.Caption = "Agregar registro sólo al primario"
Option1.Value = 0
Option1.Height = 18
Option1.Left = 5
Option1.Top = 5
Option1.Width = 226
Option1.AutoSize = .T.
Option1.Name = "Option1"
Option2.BackStyle = 0
Option2.Caption = "Agregar registro sólo al secundario (cuadrícula)"
Option2.Value = 1
Option2.Height = 18
Option2.Left = 5
Option2.Top = 25
Option2.Width = 321
Option2.AutoSize = .T.
Option2.Name = "Option2"
Option3.BackStyle = 0
Option3.Caption = "Agregar registro a ambos"
Option3.Value = 0
Option3.Height = 18
Option3.Left = 5
Option3.Top = 45
Option3.Width = 180
Option3.AutoSize = .T.
Option3.Name = "Option3"
+-------PROCEDURE InteractiveChange
|    +-------DO CASE
|    +-------CASE this.Value = 2
|    |          thisform.Text1.Value = thisform.cKeyValue
|    +-------CASE TYPE('THISFORM.cKeyValue') = "C"
|    |          thisform.Text1.Value = ""
|    +-------CASE ATC(TYPE('THISFORM.cKeyValue'),"NYIBF") # 0
|    |          thisform.Text1.Value = 0
|    +-------CASE ATC(TYPE('THISFORM.cKeyValue'),"DT") # 0
|    |          thisform.Text1.Value = {//}
|    +-------CASE TYPE('THISFORM.cKeyValue') = "L"
|    |          thisform.Text1.Value = .T.
|    +-------ENDCASE
|
```

```
|
|              thisform.Text1.ReadOnly = (this.Value = 2)
|
+-------ENDPROC
       AutoSize = .T.
       ButtonCount = 2
       BackStyle = 0
       BorderStyle = 0
       Value = 1.00
       ControlSource = "nBtnAction"
       Height = 39
       Left = 166
       Top = 248
       Width = 163
       Name = "Commandgroup1"
       COMMAND1.Top = 5
       COMMAND1.Left = 5
       COMMAND1.Height = 29
       COMMAND1.Width = 70
       COMMAND1.Caption = "Agregar"
       COMMAND1.TabIndex = 1
       COMMAND1.Name = "Command1"
       COMMAND2.Top = 5
       COMMAND2.Left = 88
       COMMAND2.Height = 29
       COMMAND2.Width = 70
       COMMAND2.Caption = "Cancelar"
       COMMAND2.TabIndex = 2
       COMMAND2.Name = "Command2"
+-------PROCEDURE Click
|          cKeyValue = this.Parent.Text1.Value
|          nAddAction = this.Parent.Optiongroup1.Value
|          nBtnAction = this.Value
|          thisform.Release()
+-------ENDPROC
       Alignment = 0
       Height = 24
       Left = 132
       TabIndex = 3
       Top = 199
       Width = 218
       Name = "Text1"
```

AutoSize = .T.
BackStyle = 0
Caption = "Valor clave:"
Height = 18
Left = 48
Top = 203
Width = 76
Name = "Label1"
AutoSize = .T.
BackStyle = 0
Caption = "A. Seleccione la opción para agregar registros:"
Height = 18
Left = 24
Top = 24
Width = 300
Name = "Label2"
FontItalic = .T.
BackStyle = 0
Caption = "Etiqueta3"
Height = 16
Left = 143
Top = 175
Width = 145
Name = "Label3"
AutoSize = .T.
BackStyle = 0
Caption = "Campo clave:"
Height = 18
Left = 37
Top = 175
Width = 87
Name = "Label4"
AutoSize = .T.
BackStyle = 0
Caption = "B: Escriba el valor clave que vincula los registros primario y secundario:"
Height = 18
Left = 24
Top = 132
Width = 458
Name = "Label5"
Arial, 1, 10, 6, 16, 13, 15, 3, 0

```
        Arial, 3, 10, 6, 16, 13, 17, 3, 0
        Height = 22
        Width = 39
        Name = "gridaddrec"
+-------PROCEDURE runaddform
|          #DEFINE C_NOOBJ_LOC "Falló la creación de la clase de
formulario Agregar registro. Verifique o vuelva a instalar el archivo
WIZSTYLE.VCX."
|
|          PRIVATE
cFldKey,cKeyValue,nBtnAction,nAddAction,oGridAddForm
|
|      +-------IF TYPE("THIS.KeyField") # "C"
|      |          this.KeyField = ""
|      +-------ENDIF
|
|          cFldKey = this.KeyField
|          cKeyValue = this.KeyValue
|          nBtnAction = 1
|          nAddAction = 1
|
|          oGridAddForm =
CREATE("gridaddform",m.cFldKey,m.cKeyValue,;
|
m.nBtnAction,m.nAddAction,this.ChildPrimaryKey,this.UpdatableParentKe
y,this.NoSendUpdates)
|
|      +-------IF TYPE("m.oGridAddForm") # "O"
|      |          =MESSAGEBOX(C_NOOBJ_LOC)
|      |          this.AddOption = 0
|      |          RETURN
|      +-------ENDIF
|
|      +-------IF this.NoSendUpdates
|      |          oGridAddForm.Optiongroup1.Value = 2
|      |          oGridAddForm.Text1.Value = m.cKeyValue
|      +-------ENDIF
|
|          oGridAddForm.Show()
|
|          this.AddOption = IIF(m.nBtnAction=1,m.nAddAction,0)
|          this.KeyValue = m.cKeyValue
|
```

```
|
+-------ENDPROC
        ScaleMode = 3
        Height = 216
        Width = 477
        DoCreate = .T.
        AutoCenter = .T.
        BackColor = 192,192,192
        BorderStyle = 1
        Caption = "Buscar"
        WindowType = 1
        Name = "searchform"
+-------PROCEDURE Init
|       +-------IF !Empty(Alias())
|       |               this.SaveRecord = RECNO()
|       |               this.SaveFilter = SET("FILTER")
|       |               this.ChangedFilter = .F.
|       +-------ENDIF
+-------ENDPROC
+-------PROCEDURE Destroy
|               LOCAL cFilterExpr
|       +-------IF this.ChangedFilter
|       |       +-------IF Empty(this.SaveFilter)
|       |       |               SET Filter TO
|       |       +-------ELSE
|       |       |               m.cFilterExpr = this.SaveFilter
|       |       |               SET Filter TO &cFilterExpr
|       |       +-------ENDIF
|       |       +-------IF RECCOUNT() # 0
|       |       |               GO this.SaveRecord
|       |       +-------ENDIF
|       +-------ENDIF
|
+-------ENDPROC
        Top = 3
        Left = 12
        Width = 452
        Height = 160
        BorderWidth = 0
        TabIndex = 1
        Name = "Searchclass1"
        cbofields1.TabIndex = 1
```

```
cbofields1.Name = "cbofields1"
cbooperators1.TabIndex = 2
cbooperators1.Name = "cbooperators1"
txtexpr1.TabIndex = 3
txtexpr1.Name = "txtexpr1"
cbofields2.TabIndex = 4
cbofields2.Name = "cbofields2"
cbooperators2.TabIndex = 5
cbooperators2.Name = "cbooperators2"
txtexpr2.TabIndex = 6
txtexpr2.Name = "txtexpr2"
OPTGRPANDOR.Option1.Value = 1
OPTGRPANDOR.Option1.Left = 5
OPTGRPANDOR.Option1.Top = 5
OPTGRPANDOR.Option1.Name = "option1"
OPTGRPANDOR.Option2.Value = 0
OPTGRPANDOR.Option2.Left = 5
OPTGRPANDOR.Option2.Top = 23
OPTGRPANDOR.Option2.Name = "option2"
OPTGRPANDOR.Height = 46
OPTGRPANDOR.Width = 58
OPTGRPANDOR.TabIndex = 7
OPTGRPANDOR.Name = "optgrpandor"
Label1.Name = "label1"
Label2.Name = "label2"
Label3.Name = "label3"
Label4.Name = "label4"
Label5.Name = "label5"
label6.Name = "label6"
chkCaseSensitive.Name = "chkCaseSensitive"
ButtonCount = 3
BackStyle = 0
BorderStyle = 0
Value = 1
Height = 31
Left = 118
Top = 175
Width = 241
Name = "Commandgroup1"
COMMAND1.Top = 1
COMMAND1.Left = 0
COMMAND1.Height = 29
```

```
COMMAND1.Width = 73
COMMAND1.Caption = "\<Buscar"
COMMAND1.TabIndex = 1
COMMAND1.Name = "Command1"
COMMAND2.Top = 1
COMMAND2.Left = 84
COMMAND2.Height = 29
COMMAND2.Width = 73
COMMAND2.Caption = "\<Todo"
COMMAND2.TabIndex = 2
COMMAND2.Name = "Command2"
COMMAND3.Top = 1
COMMAND3.Left = 168
COMMAND3.Height = 29
COMMAND3.Width = 73
COMMAND3.Cancel = .T.
COMMAND3.Caption = "\<Cancelar"
COMMAND3.TabIndex = 3
COMMAND3.Name = "Command3"
+-------PROCEDURE Click
|          #DEFINE NORECSFOUND_LOC          "No se encontró
ningún registro que cumpliera su consulta. Pruebe con otra consulta."
|
|      +-------DO CASE
|      +-------CASE this.Value = 1          &&SET FILTER condition
|      |          LOCAL cGetExpr
|      |          SET Filter TO
|      |          m.cGetExpr = thisform.Searchclass1.SearchExpr()
|      |      +-------IF !Empty(m.cGetExpr)
|      |      |          SET Filter TO &cGetExpr
|      |      |          LOCATE
|      |      |          * Check if no records found
|      |      |      +-------IF EOF()
|      |      |      |          =MESSAGEBOX(NORECSFOUND_LOC)
|      |      |      |          this.Parent.ChangedFilter = .T.
|      |      |      |          RETURN
|      |      |      +-------ENDIF
|      |      |          this.Parent.ChangedFilter = .F.          &&good query
|      |      +-------ELSE
|      |      |          LOCATE
|      |      +-------ENDIF
|      +-------CASE this.Value = 2  &&SET FILTER TO all
|
```

```
|   |          SET Filter TO
|   |          LOCATE
|   |          this.Parent.ChangedFilter = .F.          &&good
query
|     +-------OTHERWISE
|     |
|     +-------ENDCASE
|
|          Release thisform
+-------ENDPROC
     Arial, 1, 10, 6, 16, 13, 16, 3, 0
     MS Sans Serif, 1, 8, 6, 13, 11, 12, 2, 0
     Width = 149
     Height = 25
     Name = "shadowfield"
     Shape1.Height = 20
     Shape1.Left = 51
     Shape1.Top = 5
     Shape1.Width = 97
     Shape1.Name = "Shape1"
     Label1.Height = 16
     Label1.Left = 0
     Label1.Top = 3
     Label1.Width = 41
     Label1.Name = "Label1"
     FontName = "Arial"
     FontSize = 8
     BackColor = 255,255,255
     Height = 20
     Left = 46
     SpecialEffect = 1
     TabIndex = 0
     Top = 0
     Width = 97
     SelectedBackColor = 128,128,128
     Name = "Text1"
     Arial, 1, 8, 5, 14, 11, 14, 3, 0
     Width = 94
     Height = 18
     Name = "shadowlogic"
     Shape1.Height = 11
     Shape1.Left = 58
```

```
Shape1.Top = 7
Shape1.Width = 11
Shape1.Name = "Shape1"
Label1.Height = 16
Label1.Left = 0
Label1.Top = 0
Label1.Width = 41
Label1.Name = "Label1"
Top = 0
Left = 52
Height = 15
Width = 15
Caption = ""
SpecialEffect = 1
TabIndex = 0
Name = "Check1"
Arial, 1, 8, 5, 14, 11, 14, 3, 0
Arial, 1, 10, 6, 16, 13, 16, 3, 0
Width = 207
Height = 111
Name = "shadowole"
Shape1.Height = 100
Shape1.Left = 54
Shape1.Top = 7
Shape1.Width = 150
Shape1.ZOrderSet = 0
Shape1.Name = "Shape1"
Label1.Height = 16
Label1.Left = 0
Label1.Top = 3
Label1.Width = 41
Label1.ZOrderSet = 1
Label1.Name = "Label1"
Height = 100
Left = 48
Top = 2
Width = 151
ZOrderSet = 2
Name = "Shape2"
Top = 2
Left = 48
Height = 100
```

Width = 151
TabIndex = 0
ZOrderSet = 3
Name = "Oleboundcontrol1"
Arial, 1, 8, 5, 14, 11, 14, 3, 0
Width = 204
Height = 55
Name = "shadowmemo"
Shape1.Height = 48
Shape1.Left = 52
Shape1.Top = 7
Shape1.Width = 152
Shape1.Name = "Shape1"
Label1.Height = 16
Label1.Left = 0
Label1.Top = 4
Label1.Width = 41
Label1.Name = "Label1"
FontName = "Arial"
FontSize = 8
BackColor = 255,255,255
Height = 48
Left = 48
SpecialEffect = 1
TabIndex = 0
Top = 2
Width = 150
Name = "Edit1"
Arial, 1, 8, 5, 14, 11, 14, 3, 0
Width = 148
Height = 24
Name = "chiselfield"
Shape1.Height = 2
Shape1.Left = 46
Shape1.Top = 20
Shape1.Width = 97
Shape1.Name = "Shape1"
Label1.Height = 13
Label1.Left = 0
Label1.Top = 5
Label1.Width = 45
Label1.Name = "Label1"

FontBold = .F.
FontName = "Arial"
FontSize = 8
BackColor = 192,192,192
BackStyle = 0
BorderStyle = 0
Height = 17
Left = 46
SpecialEffect = 1
TabIndex = 0
Top = 3
Width = 97
DisabledForeColor = 0,0,128
SelectedForeColor = 255,255,255
SelectedBackColor = 0,0,0
Name = "Text1"
Arial, 1, 8, 5, 14, 11, 14, 3, 0
Arial, 0, 8, 5, 14, 11, 20, 3, 0
Width = 198
Height = 52
Name = "chiselmemo"
Shape1.Height = 2
Shape1.Left = 46
Shape1.Top = 50
Shape1.Width = 150
Shape1.Name = "Shape1"
Label1.Height = 13
Label1.Left = 0
Label1.Top = 3
Label1.Width = 45
Label1.Name = "Label1"
FontBold = .F.
FontName = "Arial"
FontSize = 8
BackColor = 192,192,192
BackStyle = 0
Height = 48
Left = 46
SpecialEffect = 0
TabIndex = 0
Top = -1
Width = 150

DisabledForeColor = 0,0,128
SelectedForeColor = 255,255,255
SelectedBackColor = 0,0,0
Name = "Edit1"
Arial, 1, 8, 5, 14, 11, 14, 3, 0
Arial, 0, 8, 5, 14, 11, 20, 3, 0
Width = 200
Height = 106
Name = "chiselole"
Shape1.Height = 2
Shape1.Left = 46
Shape1.Top = 103
Shape1.Width = 150
Shape1.Name = "Shape1"
Label1.Height = 13
Label1.Left = 0
Label1.Top = 3
Label1.Width = 45
Label1.Name = "Label1"
Top = 0
Left = 46
Height = 100
Width = 150
TabIndex = 0
Name = "Oleboundcontrol1"
Arial, 1, 8, 5, 14, 11, 14, 3, 0
Width = 94
Height = 18
Name = "chisellogic"
Shape1.Height = 2
Shape1.Left = 53
Shape1.Top = 15
Shape1.Width = 13
Shape1.Name = "Shape1"
Label1.Height = 13
Label1.Left = 0
Label1.Top = 1
Label1.Width = 45
Label1.Name = "Label1"
Top = 0
Left = 53
Height = 15

Width = 15
FontName = "MS Sans Serif"
FontSize = 8
BackStyle = 0
Caption = ""
SpecialEffect = 0
TabIndex = 0
Name = "Check1"
Arial, 1, 8, 5, 14, 11, 14, 3, 0
MS Sans Serif, 1, 8, 6, 13, 11, 12, 2, 0
Width = 148
Height = 24
BackColor = 192,192,192
BackStyle = 0
BorderWidth = 0
SpecialEffect = 2
Name = "chiselbase"
BackColor = 255,255,255
Height = 2
Left = 46
Top = 20
Width = 97
SpecialEffect = 0
Name = "Shape1"
FontName = "Arial"
FontSize = 8
Alignment = 1
BackStyle = 0
Caption = "Etiqueta1"
Height = 13
Left = 0
Top = 5
Width = 45
ColorSource = 3
TabIndex = 0
Name = "Label1"
Arial, 1, 8, 5, 14, 11, 14, 3, 0
Width = 149
Height = 25
BackStyle = 0
BorderWidth = 0
Name = "shadowbase"

BackColor = 0,255,255
BackStyle = 0
BorderWidth = 0
BorderColor = 0,255,255
FillColor = 128,128,128
FillStyle = 0
Height = 20
Left = 51
Top = 4
Width = 97
Name = "Shape1"
FontName = "Arial"
FontSize = 8
Alignment = 1
BackStyle = 0
Caption = "Etiqueta1"
Height = 16
Left = 0
Top = 3
Width = 41
TabIndex = 0
Name = "Label1"
Arial, 1, 8, 5, 14, 11, 14, 3, 0
Width = 94
Height = 43
Name = "boxfield"
Shape1.Height = 43
Shape1.Left = 0
Shape1.Top = 0
Shape1.Width = 94
Shape1.Name = "Shape1"
Label1.Height = 15
Label1.Left = 3
Label1.Top = 2
Label1.Width = 49
Label1.Name = "Label1"
FontSize = 9
BackColor = 255,255,255
BackStyle = 1
BorderStyle = 0
Height = 18
Left = 3

```
SpecialEffect = 1
TabIndex = 0
Top = 23
Width = 88
SelectedBackColor = 128,128,128
ColorSource = 0
Name = "Text1"
Arial, 1, 9, 6, 15, 12, 15, 3, 0
Width = 247
Height = 75
Name = "boxmemo"
Shape1.Height = 75
Shape1.Left = 0
Shape1.Top = 0
Shape1.Width = 246
Shape1.Name = "Shape1"
Label1.Height = 15
Label1.Left = 3
Label1.Top = 2
Label1.Width = 49
Label1.Name = "Label1"
FontSize = 9
BackColor = 255,255,255
BorderStyle = 0
Height = 50
Left = 3
ScrollBars = 0
SpecialEffect = 1
TabIndex = 0
Top = 23
Width = 241
ColorSource = 0
Name = "Edit1"
Arial, 1, 9, 6, 15, 12, 15, 3, 0
Width = 156
Height = 125
Name = "boxole"
Shape1.Height = 125
Shape1.Left = 0
Shape1.Top = 0
Shape1.Width = 156
Shape1.Name = "Shape1"
```

```
Label1.Height = 15
Label1.Left = 3
Label1.Top = 2
Label1.Width = 49
Label1.Name = "Label1"
Top = 23
Left = 3
Height = 100
Width = 150
TabIndex = 0
Name = "Oleboundcontrol1"
Arial, 1, 9, 6, 15, 12, 15, 3, 0
Width = 88
Height = 43
Name = "boxlogic"
Shape1.Height = 43
Shape1.Left = 0
Shape1.Top = 0
Shape1.Width = 88
Shape1.Name = "Shape1"
Label1.Height = 15
Label1.Left = 3
Label1.Top = 2
Label1.Width = 49
Label1.Name = "Label1"
Top = 22
Left = 2
Height = 17
Width = 13
FontSize = 9
BackStyle = 1
Caption = ""
SpecialEffect = 0
TabIndex = 0
ColorSource = 0
Name = "Check1"
Arial, 1, 9, 6, 15, 12, 15, 3, 0
Width = 94
Height = 43
BackStyle = 0
BorderWidth = 0
SpecialEffect = 2
```

```
Name = "boxbase"
BackColor = 255,255,255
BackStyle = 1
FillColor = 255,255,255
FillStyle = 0
Height = 43
Left = 0
Top = 0
Width = 94
SpecialEffect = 1
wizeffect = 1
Name = "Shape1"
FontSize = 9
BackColor = 0,0,255
BackStyle = 0
Caption = "Etiqueta1"
ForeColor = 0,0,255
Height = 15
Left = 3
Top = 2
Width = 49
TabIndex = 0
Name = "Label1"
Arial, 1, 9, 6, 15, 12, 15, 3, 0
Width = 575
Height = 66
BackStyle = 0
BorderWidth = 0
Visible = .T.
TabIndex = 1
nworkarea = 0
editmode = 0
previewmode = .F.
topfile = 0
endfile = 0
oldrefresh = 0
oldrec = 0
oldreprocess = 0
previewinit = .T.
usedataenv = .T.
viewkey = ("")
Name = "txtbtns"
```

```
+-------PROCEDURE buttonrefresh
|              * This is a generic routine which refreshes the buttons
|              * for appropriate table environments.
|      +-------IF SELECT()# this.nworkarea
|      |             SELECT (this.nworkarea)
|      +-------ENDIF
|
|              this.SetAllProp()
|              this.cmdFind.Enabled = !this.editmode
|              this.cmdPrint.Enabled = !this.editmode
|              this.cmdExit.Enabled = !this.editmode
|              this.cmdDelete.Enabled = !this.editmode AND !ISREADONLY()
|              this.setcaption()
+-------ENDPROC
+-------PROCEDURE initvars
|
|              #DEFINE C_NOUPDATEVIEW_LOC  "Puede que las
modificaciones realizadas a una o más de las vistas no sean permanentes. "+
                                          "Para resolverlo, asegúrese de
que la casilla de verificación 'Enviar actualizaciones SQL' de la vista está
activada en el Generador de vistas."
|
|              #DEFINE C_READONLY_LOC        "La tabla es de sólo
lectura. No podrá modificarla."
|
|              LOCAL
aTablesUsed,nTablesUsed,i,aMems,nTotMem,cWizFile,lShowedMess,cDat
aEnvRef
|              DIMENSION aTablesUsed[1]
|              DIMENSION aMems[1]
|
|              * This routine sets the member variables
|              this.viewkey = ""
|              this.parentkey = ""
|              this.viewtype = 3
|              this.gridalias = ""
|              this.topfile = .F.
|              this.endfile = .F.
|              this.addmode = .F.
|
|              this.nworkarea = SELECT()
|              this.oldsetdelete = SET("DELETED")
```

```
|            SET Deleted ON
|            this.oldreprocess = SET("REPROCESS")
|            SET REPROCESS TO 0
|
|            * These properties should not be used. They are reserved for use
by
|            * the Preview button of the Form Wizards.
|            this.previewmode =
IIF(TYPE("THIS.PreviewMode")#"L",.F.,this.previewmode)
|            this.previewinit =
IIF(TYPE("THIS.PreviewInit")#"L",.T.,this.previewinit)
|
|            * Check for data environment
|     +-------DO CASE
|     +-------CASE TYPE("THISFORM.DataEnvironment") = "O"
|     |            this.usedataenv = .T.
|     |            nTotMem =
AMEMBERS(aMems,thisform.DataEnvironment,2)
|     |            cDataEnvRef = "THISFORM.DataEnvironment"
|     +-------CASE TYPE("THISFORMSET.DataEnvironment") = "O"
|     |            this.usedataenv = .T.
|     |            nTotMem =
AMEMBERS(aMems,thisformset.DataEnvironment,2)
|     |            cDataEnvRef = "THISFORMSET.DataEnvironment"
|     |            * let's also set the
|     |        +-------IF TYPE("THISFORM")="O" AND !thisform.Visible
|     |        |            thisform.Visible = .T.
|     |        +-------ENDIF
|     +-------OTHERWISE
|     |            this.usedataenv = .F.
|     +-------ENDCASE
|
|     +-------IF this.usedataenv
|     |        +-------WITH EVAL(m.cDataEnvRef)
|     |        |            * Check for relation
|     |        |        +-------FOR i = 1 TO m.nTotMem
|     |        |        |        +-------IF
UPPER(EVAL("."+aMems[m.i]+".BaseClass")) = "RELATION"
|     |        |        |        |            this.oDataRelation =
m.cDataEnvRef+"."+aMems[m.i]
|     |        |        |        |            EXIT
|     |        |        |        +-------ENDIF
```

```
|   |   |       +-------ENDFOR
|   |   |
|   |   |           * Check for Views
|   |   |       +-------FOR i = 1 TO m.nTotMem
|   |   |   |       +-------IF
UPPER(EVAL("."+aMems[m.i]+".BaseClass")) = "CURSOR"
|   |   |   |   |       +-------WITH EVAL("."+aMems[m.i])
|   |   |   |   |   |       +-------IF
CURSORGETPROP("SourceType",.Alias)#3
|   |   |   |   |   |   |           * Check if we need to requery for
deleted records.
|   |   |   |   |   |   |           * -- Note: Parameterized views are
not requeried so all
|   |   |   |   |   |   |           * records will be brought over. To
remedy this situation
|   |   |   |   |   |   |           * you can place a SET DELETED
ON command in the
|   |   |   |   |   |   |           * BeforeOpenTables event of the
DataEnvironment.
|   |   |   |   |   |   |       +-------IF this.oldsetdelete = "OFF" AND
ATC("?",CURSORGETPROP("SQL",.Alias))=0
|   |   |   |   |   |   |   |           =Requery(.Alias)
|   |   |   |   |   |   |   |       +-------ENDIF
|   |   |   |   |   |   |   |           * Check if updates are made
|   |   |   |   |   |   |   |       +-------IF
!CURSORGETPROP("SendUpdates",.Alias) AND !m.lShowedMess
|   |   |   |   |   |   |   |
=MESSAGEBOX(C_NOUPDATEVIEW_LOC)
|   |   |   |   |   |   |   |               lShowedMess = .T.
|   |   |   |   |   |   |   |       +-------ENDIF
|   |   |   |   |   |   |       +-------ENDIF
|   |   |   |   |   |       +-------ENDWITH
|   |   |   |   |       +-------ENDIF
|   |   |   |       +-------ENDFOR
|   |   |       +-------ENDWITH
|   |       +-------ENDIF
|   |
|           this.editmode =
IIF(TYPE("THIS.EditMode")#"L",.F.,this.editmode)
|
|       +-------IF ISREADONLY()
|   |               WAIT Window C_READONLY_LOC TIMEOUT 2
```

```
|   |            this.editmode = .F.
|   +-------ENDIF
|
|            * Disable appropriate buttons
|            this.cmdAdd.Enabled = !ISREADONLY()
|            this.cmdEdit.Enabled = !ISREADONLY()
|            this.cmdDelete.Enabled = !ISREADONLY()
|
|   +-------IF this.previewmode
|   |            RETURN
|   +-------ENDIF
|
|            this.GetGridRef()
|
|   +-------IF this.usedataenv
|   |            RETURN
|   +-------ENDIF
|
|            * The following code is here to support forms not using a
DataEnvironment.
|            this.oldsetfields = SET("FIELDS")
|            SET FIELDS OFF
|            this.oldmultilocks = SET("MULTILOCKS")
|            SET MULTILOCKS ON
|            this.oldrefresh = SET("REFRESH")
|            SET Refresh TO 5
|   +-------IF !Empty(Alias())
|   |            this.oldbuffering=CURSORGETPROP("buffering")
|   |            m.nTablesUsed = AUSED(aTablesUsed)
|   |   +-------FOR i = 1 TO m.nTablesUsed
|   |   |   +-------IF
CURSORGETPROP('sourcetype',aTablesUsed[m.i,1])#3 &&skip for views
|   |   |   |            =CursorSetProp("buffering",5,aTablesUsed[m.i,1])
    &&optimistic table buffering
|   |   |   +-------ENDIF
|   |   +-------ENDFOR
|   +-------ENDIF
|            GO Top
|
+-------ENDPROC
+-------PROCEDURE updaterows
```

```
|           #DEFINE      E_FAIL_LOC                  "Fallo al actualizar
la tabla:"
|           #DEFINE      E_TRIGGERFAIL_LOC "Falló el
desencadenante."
|           #DEFINE      E_FIELDNULL_LOC            "El campo no
acepta NULL"
|           #DEFINE      E_FIELDRULE_LOC            "Se ha violado la
regla del campo"
|           #DEFINE      E_RECORDLOCK_LOC           "Hay otra persona
usando ese registro"
|           #DEFINE      E_ROWRULE_LOC              "Se ha violado la
regla de la fila"
|           #DEFINE      E_UNIQUEINDEX_LOC          "Violación de
índice único"
|           #DEFINE      E_DIRTYREC_LOC             "Otra persona ha
cambiado los datos. ¿Desea sobrescribir los cambios con sus correcciones?"
|           #DEFINE      E_NOFORCE_LOC              "No se pudieron
forzar las actualizaciones de tablas."
|           #DEFINE E_PROMPT_LOC              "Error: "
|           #DEFINE MSGBOX_YES               6
|
|           LOCAL
aErrors,cErrorMessage,aTablesUsed,nTablesUsed,nTotErr
|           LOCAL
nFld,i,nOldArea,lSuccess,lInDBC,lOverwrite,lHadMessage
|
|           DIMENSION aTablesUsed[1]
|           DIMENSION aErrors[1]
|           m.cErrorMessage=""
|           m.lSuccess = .T.
|           m.nOldArea = SELECT()
|           m.nTablesUsed = AUSED(aTablesUsed)
|
|           * Can wrap everything in transaction if using strictly DBCs
|
|     +-------FOR i = 1 TO m.nTablesUsed
|     |
|     |           SELECT (aTablesUsed[m.i,1])
|     |
|     |           m.lInDBC = !Empty(CURSORGETPROP("Database"))
|     |           m.cErrorMessage = ""
|     |           m.lOverwrite = .F.
```

```
|   |          m.lHadMessage = .F.
|   |
|   |   +-------DO CASE
|   |   +-------CASE CURSORGETPROP("Buffering") = 1
|   |   |          * Skip if buffering not on
|   |   |          LOOP
|   |   +-------CASE GETFLDSTATE(0) = 2                    &&deleted record
|   |   |          * Only delete current record and force it
|   |   |          m.lSuccess = TABLEUPDATE(.F.,.T.)
|   |   |   +-------IF m.lSuccess                    &&successful update
|   |   |   |          LOOP
|   |   |   +-------ENDIF
|   |   +-------CASE !m.lInDBC AND (ATC("2",GETFLDSTATE(-1))#0 OR;
|   |   |   |          ATC("3",GETFLDSTATE(-1))#0)
|   |   |   |          * Field was edited - in Free Table
|   |   |   |          * Since free tables are not supported by transactions,
|   |   |   |          * we must process record by record
|   |   |   |          m.nModRecord = GETNEXTMOD(0)
|   |   |   +-------DO WHILE m.nModRecord # 0    &&loop locks all records
|   |   |   |          GO m.nModRecord
|   |   |   |          m.lSuccess = RLOCK()    &&try to lock record
|   |   |   |   +-------IF !m.lSuccess                    &failed TO LOCK RECORD
|   |   |   |   |          m.cErrorMessage = E_RECORDLOCK_LOC
|   |   |   |   |          UNLOCK ALL
|   |   |   |   |          EXIT
|   |   |   |   +-------ENDIF
|   |   |   |   +-------IF !m.lHadMessage        &&so we don't repeat alert
|   |   |   |   |          * See if record(s) modified by another user
|   |   |   |   |   +-------FOR m.nFld = 1 TO FCOUNT()
|   |   |   |   |   |   +-------IF TYPE(FIELD(m.nFld)) = "G"    &&skip for General fields
|   |   |   |   |   |   |          LOOP
|   |   |   |   |   |   +-------ENDIF
|   |   |   |   |   |   +-------IF OLDVAL(FIELD(m.nFld)) # CURVAL(FIELD(m.nFld))
|   |   |   |   |   |   |          m.lHadMessage = .T.
```

```
|   |   |   |   |   |   |   +-------IF
MESSAGEBOX(E_DIRTYREC_LOC,4+48) = MSGBOX_YES
|   |   |   |   |   |   |   |           m.lOverwrite = .T.
|   |   |   |   |   |   |   +-------ELSE
|   |   |   |   |   |   |   |               m.lSuccess = .F.
|   |   |   |   |   |   |   |               UNLOCK ALL
|   |   |   |   |   |   |   |               EXIT
|   |   |   |   |   |   |   +-------ENDIF
|   |   |   |   |   |   +-------ENDIF
|   |   |   |   |   +-------ENDFOR
|   |   |   |   +-------ENDIF
|   |   |   |           m.nModRecord =
GETNEXTMOD(m.nModRecord)
|   |   |   +-------ENDDO
|   |   |   +-------IF m.lSuccess   &&was able to lock all records
|   |   |   |           m.lSuccess = TABLEUPDATE(.T.,m.lOverwrite)
|   |   |   |   +-------IF m.lSuccess &&was able to update all records
|   |   |   |   |           LOOP
|   |   |   |   +-------ENDIF
|   |   |   |           UNLOCK ALL
|   |   |   +-------ENDIF
|   |   +-------CASE m.lInDBC
|   |   |           BEGIN TRANSACTION
|   |   |           * Try to update all records in selected table
|   |   |           m.lSuccess = TABLEUPDATE(.T.,.F.)
        &&successful update
|   |   |   +-------IF m.lSuccess
|   |   |   |           END TRANSACTION
|   |   |   |           LOOP
|   |   |   +-------ENDIF
|   |   |           ROLLBACK
|   |   +-------ENDCASE
|   |
|   |           * Handle errors
|   |           nTotErr =AERROR(aErrors)
|   |   +-------DO CASE
|   |   +-------CASE nTotErr = 0
|   |   |
|   |   +-------CASE aErrors[1,1] = 1539                    && Trigger
failed
|   |   |           m.cErrorMessage = E_TRIGGERFAIL_LOC
```

```
|   |      +-------CASE aErrors[1,1] = 1581            && Field
doesn't accept NULL
|   |   |            m.cErrorMessage = E_FIELDNULL_LOC
|   |      +-------CASE aErrors[1,1] = 1582            && Field
rule violated
|   |   |            m.cErrorMessage = E_FIELDRULE_LOC
|   |      +-------CASE aErrors[1,1] = 1700            && Record
in use by another user
|   |   |            m.cErrorMessage = E_RECORDLOCK_LOC
|   |      +-------CASE aErrors[1,1] = 1583            && Row
rule violated
|   |   |            m.cErrorMessage = E_ROWRULE_LOC
|   |      +-------CASE aErrors[1,1] = 1884            && Unique
index violation
|   |   |            m.cErrorMessage = E_UNIQUEINDEX_LOC
|   |      +-------CASE aErrors[1,1] = 1585            && Record
changed by another user
|   |   |
|   |   |      +-------IF m.lInDBC          &&handle free tables above
|   |   |   |            * Dislpay conflict alert
|   |   |   |      +-------IF MESSAGEBOX(E_DIRTYREC_LOC,4+48)
= MSGBOX_YES
|   |   |   |   |            *Try to force update
|   |   |   |   |            BEGIN TRANSACTION
|   |   |   |   |            m.lSuccess = TABLEUPDATE(.T.,.T.)
|   |   |   |   +-------IF m.lSuccess
|   |   |   |   |            END TRANSACTION
|   |   |   |   |            LOOP
|   |   |   |   +-------ELSE
|   |   |   |   |            ROLLBACK
|   |   |   |   |            =MESSAGEBOX(E_NOFORCE_LOC)
|   |   |   |   +-------ENDIF
|   |   |   +-------ENDIF
|   |   +-------ENDIF
|   |   |
|   |      +-------OTHERWISE
|   |      +-------IF !Empty(m.cErrorMessage)       &&for free table
handling above
|   |   |            m.cErrorMessage =
E_PROMPT_LOC+aErrors[1,2]
|   |      +-------ENDIF
|   +-------ENDCASE
```

```
|   |
|   |            * Had an error we couldn't handle
|   |            =TABLEREVERT(.T.)  &&revert all records
|   |            m.lSuccess = .F.
|   |  +-------IF !Empty(m.cErrorMessage)
|   |  |            =MESSAGEBOX(E_FAIL_LOC+m.cErrorMessage)
|   |  +-------ENDIF
|   |
|   +-------ENDFOR
|
|            SELECT (m.nOldArea)
|            RETURN m.lSuccess
|
+-------ENDPROC
+-------PROCEDURE setcaption
|            #DEFINE ADD_CAPTION_LOC        "Ag\<regar"
|            #DEFINE EDIT_CAPTION_LOC       "\<Modificar"
|            #DEFINE REV_CAPTION_LOC        "Re\<vertir"
|            #DEFINE SAVE_CAPTION_LOC       "\<Guardar"
|
|  +-------IF this.editmode
|  |            this.cmdAdd.Caption = SAVE_CAPTION_LOC
|  |            this.cmdEdit.Caption = REV_CAPTION_LOC
|  +-------ELSE
|  |            this.cmdAdd.Caption = ADD_CAPTION_LOC
|  |            this.cmdEdit.Caption = EDIT_CAPTION_LOC
|  +-------ENDIF
|
+-------ENDPROC
+-------PROCEDURE SetAllProp
|            LPARAMETER oContainer
|
|            * Checks for General fields
|            LOCAL i,oControlParent,nCtrlCount
|
|  +-------IF PARAMETERS() = 0
|  |            m.oControlParent = thisform
|  +-------ELSE
|  |            m.oControlParent = m.oContainer
|  +-------ENDIF
|
|  +-------IF ATC("Pageframe",m.oControlParent.BaseClass)#0
```

```
|     |               nCtrlCount = oControlParent.PageCount
|     +-------ELSE
|     |               nCtrlCount = oControlParent.ControlCount
|     +-------ENDIF
|
|     +-------FOR i = 1 TO m.nCtrlCount
|     |     +-------DO CASE
|     |     +-------CASE ATC("Pageframe",m.oControlParent.BaseClass)#0
|     |     |           this.SetAllProp(m.oControlParent.Pages[m.i])
|     |     |
|     |     +-------CASE
ATC("Container",m.oControlParent.Controls[m.i].BaseClass) # 0 OR;
|     |     |
ATC("Page",m.oControlParent.Controls[m.i].BaseClass) # 0
|     |     |           this.SetAllProp(m.oControlParent.Controls[m.i])
|     |     |
|     |     +-------CASE
ATC(m.oControlParent.Controls[m.i].BaseClass,"CheckBox,TextBox,OleB
oundControl") # 0
|     |     |           m.oControlParent.Controls[m.i].Enabled =
this.editmode
|     |     |
|     |     +-------CASE
ATC(m.oControlParent.Controls[m.i].BaseClass,"EditBox") # 0
|     |     |           m.oControlParent.Controls[m.i].ReadOnly =
!this.editmode
|     |     |     +-------IF !this.HasMemo
|     |     |     |     +-------WITH m.oControlParent.Controls[m.i]
|     |     |     |     |           this.EditForeColor = .ForeColor
|     |     |     |     |           this.EditDisForeColor = .DisabledForeColor
|     |     |     |     |           this.EditBackColor = .BackColor
|     |     |     |     |           this.EditDisBackColor = .DisabledBackColor
|     |     |     |     |           this.HasMemo = .T.
|     |     |     |     +-------ENDWITH
|     |     |     +-------ENDIF
|     |     |           m.oControlParent.Controls[m.i].ForeColor =
IIF(this.editmode,this.EditForeColor,this.EditDisForeColor)
|     |     |           m.oControlParent.Controls[m.i].BackColor =
IIF(this.editmode,this.EditBackColor,this.EditDisBackColor)
|     |     |
|     |     +-------CASE
ATC(m.oControlParent.Controls[m.i].BaseClass,"Grid") # 0
```

```
|    |    |         m.oControlParent.Controls[m.i].ReadOnly =
!this.editmode
|    |    |         m.oControlParent.Controls[m.i].DeleteMark =
this.editmode
|    |    |
|    |    +-------ENDCASE
|    +-------ENDFOR
|
|
+-------ENDPROC
+-------PROCEDURE navrefresh
|         **** Navigational Button Handling ****
|         LOCAL OldLockScreen,KeyValue,cFiltExpr
|         m.OldLockScreen = thisform.LockScreen
|         thisform.LockScreen = .T.
|
|    +-------IF SELECT()#this.nworkarea
|    |         SELECT (this.nworkarea)
|    +-------ENDIF
|
|    +-------IF !this.editmode
|    |
|    |         * Check for bottom of file
|    |         this.endfile = EOF() OR this.endfile
|    |
|    |         * Test to see we are on last record
|    |    +-------IF !this.endfile
|    |    |         Skip
|    |    |         this.endfile = EOF()
|    |    |         Skip -1
|    |    +-------ELSE
|    |    |         GO BOTTOM
|    |    +-------ENDIF
|    |
|    |         * Check for top of file
|    |         this.topfile = BOF() OR EOF() OR this.topfile
|    |
|    |         * Test to see if we are on first record
|    |    +-------IF !this.topfile
|    |    |         Skip -1
|    |    |         this.topfile = BOF()
|    |    |    +-------IF !this.topfile
```

```
|   |   |   |           Skip
|   |   |   +-------ENDIF
|   |   +-------ENDIF
|   |
|   |   +-------IF this.topfile
|   |   |           GO Top
|   |   +-------ENDIF
|   |
|   +-------ENDIF
|
|           this.cmdTop.Enabled = !this.topfile AND !this.editmode
|           this.cmdPrev.Enabled = !this.topfile AND !this.editmode
|           this.cmdNext.Enabled = !this.endfile AND !this.editmode
|           this.cmdEnd.Enabled = !this.endfile AND !this.editmode
|
|           * Check if no records in query set
|   +-------DO CASE
|   +-------CASE this.previewmode OR ISREADONLY()
|   |           * Nothing
|   +-------CASE this.editmode
|   |           this.cmdEdit.Enabled = .T.
|   +-------CASE RECCOUNT()=0 OR BOF() OR EOF()
|   |           this.cmdEdit.Enabled = .F.
|   |           this.cmdDelete.Enabled = .F.
|   +-------CASE !this.cmdEdit.Enabled
|   |           this.cmdEdit.Enabled = .T.
|   |           this.cmdDelete.Enabled = .T.
|   +-------ENDCASE
|
|           * Update Grid for Views
|   +-------IF !this.editmode AND !Empty(this.viewkey)
|   |           KeyValue = EVAL(this.parentkey)
|   |   +-------DO CASE
|   |   +-------CASE TYPE(this.parentkey) = "C"
|   |   |           cFiltExpr = this.viewkey + "=" + "["+m.KeyValue+"]"
|   |   +-------CASE TYPE(this.parentkey) = "L"
|   |   |           cFiltExpr = this.viewkey
|   |   +-------CASE TYPE(this.parentkey) = "D"
|   |   |           cFiltExpr = this.viewkey + "=" +
"{"+DTOC(m.KeyValue)+"}"
|   |   +-------CASE TYPE(this.parentkey) = "T"
```

```
|     |     |               cFiltExpr = this.viewkey + "=" +
"{"+TTOC(m.KeyValue)+"}"
|     |     +-------OTHERWISE
|     |     |               * Numeric
|     |     |               cFiltExpr = this.viewkey + "=" +
ALLTRIM(STR(m.KeyValue,20,18))
|     |     +-------ENDCASE
|     |
|     |               SELECT (this.gridalias)
|     |     +-------DO CASE
|     |     +-------CASE .F.  &&parameterized query
|     |     |               * set parameter here
|     |     |               * =requery()
|     |     +-------CASE this.viewtype = 1     &&local views
|     |     |               SET Filter TO &cFiltExpr
|     |     +-------CASE this.viewtype = 2     &&remote views
|     |     |
|     |     +-------ENDCASE
|     |               SELECT (this.nworkarea)
|     +-------ENDIF
|
|               thisform.Refresh()
|               thisform.LockScreen = m.OldLockScreen
|
+-------ENDPROC
+-------PROCEDURE GetGridRef
|               * Check if we have a grid
|               LOCAL aMems,nTotMem,i
|               this.gridref = ""
|     +-------IF TYPE("THISFORM") = "O"
|     |               DIMENSION aMems[1]
|     |               nTotMem = AMEMBERS(aMems,thisform,2)
|     |     +-------WITH thisform
|     |     |     +-------FOR i = 1 TO m.nTotMem
|     |     |     |     +-------IF
UPPER(EVAL("."+aMems[m.i]+".BaseClass")) = "GRID"
|     |     |     |     |               this.gridref = aMems[m.i]
|     |     |     |     |     +-------WITH EVAL("."+this.gridref)
|     |     |     |     |     |               * Check if we have a view and get Tag
property
|     |     |     |     |     |               this.viewtype =
CURSORGETPROP('sourcetype',.RecordSource)
```

```
|   |   |   |   |   |          this.gridalias = .RecordSource
|   |   |   |   |   +-------IF this.viewtype # 3
|   |   |   |   |   |              this.viewkey = .Tag
|   |   |   |   |   |              this.parentkey = .Comment
|   |   |   |   |   +-------ENDIF
|   |   |   |   +-------ENDWITH
|   |   |   |   |          EXIT
|   |   |   +-------ENDIF
|   |   +-------ENDFOR
|   +-------ENDWITH
+-------ENDIF
|
+-------ENDPROC
+-------PROCEDURE Refresh
|          **** Special Preview Mode Handling ****
|   +-------IF this.previewmode AND this.previewinit
|   |          this.previewinit = .F.
|   |          this.cmdAdd.Enabled = .F.
|   |          this.cmdEdit.Enabled = .F.
|   |          this.cmdDelete.Enabled = .F.
|   |          this.cmdFind.Enabled = .F.
|   |          this.cmdPrint.Enabled = .F.
|   |          this.cmdExit.Enabled = .F.
|   |          this.nworkarea = SELECT()
|   |          this.GetGridRef()
|   |          this.SetAllProp()
|   |          this.navrefresh()
|   +-------ENDIF
|
+-------ENDPROC
+-------PROCEDURE Init
|          #DEFINE C_WIZSTYLE              "WIZSTYLE.VCX"
|          #DEFINE C_WIZDIR                "WIZARDS\"
|          #DEFINE C_PROMPT1_LOC           "Buscar: "
|          #DEFINE E_NOSTYLE_LOC           "No se pudo encontrar la
biblioteca de clases (WIZSTYLE.VCX) necesaria para este formulario. "+
                                           "Encuéntrela."
|
|
|          LOCAL cGridRef,cWizHomePath,Separator,cWizStyFile
|
|
```

```
|    +-------IF TYPE('THIS.Parent') # "O"
|    |         RETURN
|    +-------ENDIF
|
|    +-------IF SET("TALK") = "ON"
|    |         SET TALK OFF
|    |         this.oldtalk = "ON"
|    +-------ELSE
|    |         this.oldtalk = "OFF"
|    +-------ENDIF
|
|
|    +-------IF ATC(C_WIZSTYLE,SET("CLASSLIB")) = 0
|    |
|    |         * Returns just the pathname
|    |         cWizHomePath = _WIZARD
|    |    +-------IF '\' $ cWizHomePath
|    |    |         cWizHomePath =
SUBSTR(m.cWizHomePath,1,RAT('\',m.cWizHomePath))
|    |    |    +-------IF RIGHT(m.cWizHomePath,1) = '\' AND
LEN(m.cWizHomePath) > 1 ;
|    |    |    |    |         AND
SUBSTR(m.cWizHomePath,LEN(m.cWizHomePath)-1,1) <> ':'
|    |    |    |         cWizHomePath =
SUBSTR(m.cWizHomePath,1,LEN(m.cWizHomePath)-1)
|    |    |    +-------ENDIF
|    |    +-------ELSE
|    |    |         cWizHomePath = "
|    |    +-------ENDIF
|    |
|    |         * Add a backslash unless there is one already there.
|    |         Separator = IIF(_MAC,":","\")
|    |    +-------IF !(RIGHT(m.cWizHomePath,1) $ '\:') AND
!Empty(m.cWizHomePath)
|    |    |         m.cWizHomePath= m.cWizHomePath+ m.separator
|    |    +-------ENDIF
|    |
|    |    +-------DO CASE
|    |    +-------CASE FILE(C_WIZSTYLE)
|    |    |         cWizFile = C_WIZSTYLE
|    |    +-------CASE FILE(m.cWizHomePath+C_WIZSTYLE)
|    |    |         cWizFile = m.cWizHomePath+C_WIZSTYLE
```

```
|   |     +-------CASE
FILE(m.cWizHomePath+C_WIZDIR+C_WIZSTYLE)
|   |   |         cWizFile =
m.cWizHomePath+C_WIZDIR+C_WIZSTYLE
|   |     +-------CASE FILE(HOME()+C_WIZSTYLE)
|   |   |         cWizFile = HOME()+C_WIZSTYLE
|   |     +-------CASE FILE(HOME()+C_WIZDIR+C_WIZSTYLE)
|   |   |         cWizFile = HOME()+C_WIZDIR+C_WIZSTYLE
|   |     +-------OTHERWISE
|   |   |         =MESSAGEBOX(E_NOSTYLE_LOC)
|   |   |         cWizFile =
GETFILE("VCX",C_PROMPT1_LOC+C_WIZSTYLE)
|   |     +-------ENDCASE
|   |
|   |     +-------IF ATC(C_WIZSTYLE,m.cWizFile)#0
|   |   |         SET Class TO (m.cWizFile) ADDITIVE
|   |     +-------ELSE
|   |   |         * Failed to get WIZSTYLE.VCX file
|   |   |         RETURN .F.
|   |     +-------ENDIF
|   |
|     +-------ENDIF
|
|         this.initvars()
|         this.buttonrefresh()
|         this.navrefresh()
|         cGridRef=this.gridref
|     +-------IF !Empty(m.cGridRef)
|   |         * Change this if you desire to have the grid initially selected.
|   |         * THISFORM.&cGridRef..SetFocus()
|     +-------ENDIF
+-------ENDPROC
+-------PROCEDURE Error
|         PARAMETERS nError, cMethod, nLine
|         LOCAL aFoxErr,nTotErr
|         DIMENSION aFoxErr[1]
|         nTotErr = AERROR(aFoxErr)
|
|     +-------DO CASE
|     +-------CASE INLIST(m.nError,1733,1734)  &&property not found --
traps SETALL()
|   |             RETURN
```

```
|   |   |           cDataEnvRef = "THISFORM.DataEnvironment"
|   |   +-------CASE TYPE("THISFORMSET.DataEnvironment") = "O"
|   |   |           nDECursors =
AMEMBERS(aDECursors,thisformset.DataEnvironment,2)
|   |   |           cDataEnvRef = "THISFORMSET.DataEnvironment"
|   |   +-------ENDCASE
|   |   +-------FOR i = 1 TO m.nDECursors
|   |   |   +-------WITH EVAL(m.cDataEnvRef + "." +
aDECursors[m.i])
|   |   |   |   +-------IF USED(.Alias) AND
ATC("CURSOR",.BaseClass)#0 AND ;
|   |   |   |   |
CURSORGETPROP("sourcetype",.Alias)=3 AND ;
|   |   |   |   |
CURSORGETPROP("buffering",.Alias)>1
|   |   |   |   |           =TABLEREVERT(.T.,.Alias)
|   |   |   |   |           =CursorSetProp("buffering",1,.Alias)
    &&optimistic table buffering
|   |   |   |   +-------ENDIF
|   |   |   +-------ENDWITH
|   |   +-------ENDFOR
|   +-------ENDIF
|
|           * Skip if using preview mode
|   +-------IF this.previewmode
|   |           RETURN
|   +-------ENDIF
|
|   +-------IF this.oldsetdelete = "OFF"
|   |           SET Deleted OFF
|   +-------ENDIF
|           SET REPROCESS TO this.oldreprocess
|           SET Message TO
|           SELECT (this.nworkarea)
|
|   +-------IF this.usedataenv
|   |           RETURN
|   +-------ENDIF
|
|           * The following code is here to support
|           * forms not using a DataEnvironment.
|           m.nTablesUsed = AUSED(aTablesUsed)
```

```
|     +-------FOR i = 1 TO m.nTablesUsed
|     |     +-------IF USED(aTablesUsed[m.i,1]) AND
ATC(".TMP",DBF(aTablesUsed[m.i,1]))=0  &&skip for views
|     |     |
=CursorSetProp("buffering",this.oldbuffering,aTablesUsed[m.i,1])
         &&optimistic table buffering
|     |     +-------ENDIF
|     +-------ENDFOR
|
|     +-------IF this.oldmultilocks = "OFF"
|     |            SET MULTILOCKS OFF
|     +-------ENDIF
|
|     +-------IF this.oldsetfields = "ON"
|     |            SET FIELDS ON
|     +-------ENDIF
|
|            SET Refresh TO this.oldrefresh
|
+-------ENDPROC
        Top = 25
        Left = 4
        Height = 24
        Width = 62
        FontName = "MS Sans Serif"
        FontSize = 8
        Caption = "\<Anterior"
        StatusBarText = "Saltar al registro anterior"
        TabIndex = 2
        ToolTipText = ""
        Name = "cmdPrev"
+-------PROCEDURE Click
|            SELECT (this.Parent.nworkarea)
|     +-------IF !BOF()
|     |            Skip -1
|     +-------ENDIF
|
|            this.Parent.topfile = BOF()
|            this.Parent.endfile = EOF()
|
|            this.Parent.navrefresh()
+-------ENDPROC
```

```
        Top = 25
        Left = 128
        Height = 24
        Width = 62
        FontName = "MS Sans Serif"
        FontSize = 8
        Caption = "Siguie\<nte"
        StatusBarText = "Saltar al registro siguiente"
        TabIndex = 3
        ToolTipText = ""
        Name = "cmdNext"
+-------PROCEDURE Click
|          SELECT (this.Parent.nworkarea)
|       +-------IF !EOF()
|       |          Skip 1
|       +-------ENDIF
|
|          this.Parent.endfile = EOF()
|          this.Parent.topfile = BOF()
|
|          this.Parent.navrefresh()
|
+-------ENDPROC
        Top = 13
        Left = 66
        Height = 24
        Width = 62
        FontName = "MS Sans Serif"
        FontSize = 8
        Caption = "\<Primero"
        StatusBarText = "Ir a la parte superior de la tabla"
        TabIndex = 1
        ToolTipText = ""
        Name = "cmdTop"
+-------PROCEDURE Click
|          SELECT (this.Parent.nworkarea)
|          LOCATE
|          this.Parent.topfile = .T.
|          this.Parent.endfile = EOF()
|          this.Parent.navrefresh()
+-------ENDPROC
        Top = 37
```

```
      Left = 66
      Height = 24
      Width = 62
      FontName = "MS Sans Serif"
      FontSize = 8
      Caption = "Ú\<ltimo"
      StatusBarText = "Ir a la parte inferior de la tabla"
      TabIndex = 4
      ToolTipText = ""
      Name = "cmdEnd"
+-------PROCEDURE Click
|         SELECT (this.Parent.nworkarea)
|         GO BOTTOM
|         this.Parent.topfile = .F.
|         this.Parent.endfile = .T.
|         this.Parent.navrefresh()
+-------ENDPROC
      Top = 25
      Left = 197
      Height = 24
      Width = 60
      FontName = "MS Sans Serif"
      FontSize = 8
      Caption = "\<Buscar"
      Enabled = .T.
      StatusBarText = "Buscar registros"
      TabIndex = 5
      ToolTipText = ""
      Name = "cmdFind"
+-------PROCEDURE Click
|         LOCAL oSearchDlog
|
|         oSearchDlog = CREATE("searchform")
|         oSearchDlog.Show()
|
|         * Reset from prior
|         this.Parent.topfile = .F.
|         this.Parent.endfile = .F.
|         this.Parent.navrefresh()
+-------ENDPROC
      Top = 25
      Left = 257
```

```
            Height = 24
            Width = 60
            FontName = "MS Sans Serif"
            FontSize = 8
            Caption = "\<Imprimir"
            Enabled = .T.
            StatusBarText = "Imprimir a un informe"
            TabIndex = 6
            ToolTipText = ""
            Name = "cmdPrint"
+-------PROCEDURE Click
|           #DEFINE C_MAKEREPO_LOC              "No se pudo
encontrar un informe para imprimir. ¿Desea crear uno nuevo?"
|           #DEFINE C_NOOPEN_LOC               "Error al abrir la
tabla. Imposible imprimir el informe."
|           #DEFINE C_GETFILEPROMPT_LOC        "Imprimir el
informe:"
|
|           LOCAL
cRepName,nSaveSess,cSaveAlias,cSaveSource,cSaveData
|
|           cSaveAlias = Alias()
|           cSaveSource = CURSORGETPROP("SourceName")
|           cSaveData = CURSORGETPROP("Database")
|           cDiffSource = ""
|           cRepName = Left(Alias(),8)+".FRX"
|           nSaveSess = SET("DATASESSION")
|
|    +-------#IF 0
|    |           * Handling for Private data sessions
|    |    +-------IF m.nSaveSess # 1
|    |    |           SET DataSession TO 1
|    |    |           SELECT 0
|    |    |    +-------IF !Empty(m.cSaveData)
|    |    |    |           OPEN Database (m.cSaveData)
|    |    |    +-------ENDIF
|    |    |    +-------IF USED(m.cSaveAlias)
|    |    |    |           SELECT (m.cSaveAlias)
|    |    |    |    +-------IF
CURSORGETPROP("SourceName")#m.cSaveSource
|    |    |    |    |           cDiffSource =
CURSORGETPROP("SourceName")
```

```
|  |  |  |  |          USE IN (m.cSaveAlias)
|  |  |  |  |          SELECT 0
|  |  |  |  +-------ENDIF
|  |  |  +-------ENDIF
|  |  |  +-------IF Empty(Alias())
|  |  |  |          USE (m.cSaveSource) AGAIN Alias
(m.cSaveAlias) SHARED
|  |  |  |  +-------IF Empty(Alias())
|  |  |  |  |          =MESSAGEBOX(C_NOOPEN_LOC)
|  |  |  |  |          RETURN
|  |  |  |  +-------ENDIF
|  |  |  +-------ENDIF
|  |  +-------ENDIF
|  +-------#ENDIF
|
|  +-------IF FILE(m.cRepName)
|  |          REPORT Form (m.cRepName) PREVIEW NOWAIT
|  +-------ELSE
|  |          m.cRepName =
GETFILE("frx",C_GETFILEPROMPT_LOC,"",1)
|  |  +-------IF !Empty(m.cRepName)
|  |  |  +-------IF FILE(m.cRepName)
|  |  |  |          * User pressed Open button
|  |  |  |          REPORT Form (m.cRepName) PREVIEW
NOWAIT
|  |  |  +-------ELSE
|  |  |  |          * User pressed New button
|  |  |  |          DO (_WIZARD) WITH "AUTOREPORT"
|  |  |  +-------ENDIF
|  |  +-------ENDIF
|  +-------ENDIF
|
|  +-------#IF 0
|  |  +-------IF !Empty(cDiffSource)
|  |  |          USE (m.cDiffSource) IN 0
|  |  +-------ENDIF
|  |
|  |          SET DataSession TO m.nSaveSess
|  |          SELECT (m.cSaveAlias)
|  +-------#ENDIF
+-------ENDPROC
       Top = 25
```

```
          Left = 511
          Height = 24
          Width = 60
          FontName = "MS Sans Serif"
          FontSize = 8
          Caption = "\<Salir"
          Enabled = .T.
          StatusBarText = "Salir del formulario de entrada"
          TabIndex = 10
          ToolTipText = ""
          Name = "cmdExit"
+-------PROCEDURE Click
|          thisform.Release
|
+-------ENDPROC
          Top = 25
          Left = 324
          Height = 24
          Width = 60
          FontName = "MS Sans Serif"
          FontSize = 8
          Caption = "Ag\<regar"
          Enabled = .T.
          StatusBarText = "Agregar nuevo registro/Guardar modificaciones"
          TabIndex = 7
          ToolTipText = ""
          Name = "cmdAdd"
+-------PROCEDURE Click
|          #DEFINE OPT_CANCEL            0
|          #DEFINE OPT_ADD_PARENT        1
|          #DEFINE OPT_ADD_CHILD         2
|          #DEFINE OPT_ADD_BOTH          3
|          #DEFINE MB_Q_YESNO            36
|          #DEFINE MB_A_YES              6
|          #DEFINE C_KEYFLDNOUPDATE_LOC     "El campo que
relaciona la vista de la cuadrícula con el origen de datos primario no es
actualizable. "+    "¿Desea simplemente agregar un nuevo registro a la tabla
primaria?"
|
|          #DEFINE C_BADCHILDKEY_LOC           "Los campos que
relacionan las tablas primaria y secundaria no tienen el mismo tipo de datos.
"+    "¿Desea simplemente agregar un nuevo registro a la tabla primaria?"
```

```
|
|         #DEFINE C_NOCHILDUPDATE_LOC        "El origen de
datos secundario es una vista y no envía actualizaciones. "+     "¿Desea
agregar un nuevo registro a la tabla primaria?"
|
|         #DEFINE C_NOOBJ_LOC        "Falló la creación de la clase de
formulario Agregar registro. Verifique o vuelva a instalar el archivo
WIZSTYLE.VCX."
|         #DEFINE C_NOUPDATE_LOC  "No puede agregar un nuevo
registro porque la vista o las vistas seleccionadas no envían
actualizaciones."
|         #DEFINE C_NOUPDATE2_LOC        "No puede agregar un
nuevo registro porque la vista o las vistas seleccionadas no envían
actualizaciones y el origen de datos secundario tiene una clave principal."
|
|         LOCAL
oSearchDlog,oAddRec,cChildAlias,cPapaAlias,i,lPrimeKey
|         LOCAL
cPapaKey,cChildKey,nSaveSess,oRel,cTagName,lBadViewKey,nSaveRec,
nSaveRec2
|         LOCAL
lBadChildKey,lUpdatableParentKey,lNoSendParentUpdates,lNoSendChild
Updates
|
|      +-------DO CASE
|      +-------CASE this.Parent.editmode
|      |
|      |         ** Code for saving record
|      |         this.Parent.updaterows()
|      |
|      +-------CASE Empty(this.Parent.gridref)          && not using Grid
object
|      |
|      |         ** Code for adding record
|      |         this.Parent.OldAlias = Alias()        &&save alias in case
reverting
|      |         this.Parent.oldrec = RECNO()        &&save record in case
reverting
|      |      +-------IF CURSORGETPROP("SourceType")#3 AND
!CURSORGETPROP("SendUpdates")
|      |      |         =MESSAGEBOX(C_NOUPDATE_LOC)
|      |      |         RETURN
```

```
|   |    +-------ENDIF
|   |            APPEND BLANK
|   |
|   +-------OTHERWISE
|   |
|   |            ** Code for adding record
|   |            this.Parent.OldAlias = Alias()        &&save alias in case
reverting
|   |            this.Parent.oldrec = RECNO()          &&save record in case
reverting
|   |            lPrimeKey = .F.                        &&is child key
primary index
|   |
|   |    +-------IF !Empty(this.Parent.oDataRelation)
|   |    |          oRel = EVAL(this.Parent.oDataRelation)
|   |    +-------ENDIF
|   |
|   |    +-------DO CASE
|   |    +-------CASE TYPE("m.oRel") = "O"    &&data environment
|   |    |    +-------WITH oRel
|   |    |    |            cPapaAlias = .ParentAlias
|   |    |    |            cPapaKey = .RelationalExpr
|   |    |    |            cChildAlias = .ChildAlias
|   |    |    |            cChildKey = .ChildOrder
|   |    |    +-------ENDWITH
|   |    |            oRel = .NULL.    &&reset
|   |    +-------CASE !Empty(this.Parent.viewkey)      &&using views
|   |    |            cPapaAlias = Alias()
|   |    |            cPapaKey = this.Parent.parentkey
|   |    |            cChildAlias = this.Parent.gridalias
|   |    |            cChildKey = this.Parent.viewkey
|   |    |
|   |    |            * Need to check if Key field is updatable
|   |    |    +-------IF
CURSORGETPROP("SourceType",m.cChildAlias)#3 AND;
|   |    |    |
ATC(","+m.cChildKey+",",","+CURSORGETPROP("UpdatableFieldList",
m.cChildAlias)+",")=0
|   |    |    |            lBadViewKey = .T.
|   |    |    +-------ENDIF
|   |    +-------OTHERWISE
|   |    |            cPapaAlias = Alias()
```

```
|    |    |              cPapaKey = Relation(1)
|    |    |              cChildAlias = this.Parent.gridalias
|    |    |              cChildKey = Order(m.cChildAlias)
|    |    +-------ENDCASE
|    |
|    |              * Test to see if both keys are of the same data type
|    |              SELECT (this.Parent.gridalias)
|    |              cGridKeyType = ""
|    |
|    |         +-------IF Empty(this.Parent.viewkey) AND !Empty(m.cChildKey)
|    &&regular table used
|    |    |              * Get the Child Key field since only index tag is here
|    |    |              * if these is an expression, then default to blank.
|    |    |              cTagName = ""
|    |    |         +-------FOR i = 1 TO TagCount("")
|    |    |         |    +-------IF UPPER(Tag(m.i)) == UPPER(m.cChildKey)
|    |    |         |    |         cTagName = KEY(m.i)
|    |    |         |    |         lPrimeKey = PRIMARY(m.i)
|    |    |         |    |         EXIT
|    |    |         |    +-------ENDIF
|    |    |         +-------ENDFOR
|    |    |
|    |    |              * Check if we have an index expression here.
|    |    |         +-------IF ATC("(",m.cTagName)#0 OR
ATC("+",m.cTagName)#0
|    |    |    |              cChildKey = ""
|    |    |    +-------ELSE
|    |    |    |         cChildKey = m.cTagName
|    |    |    |         cGridKeyType = TYPE(m.cChildKey)
|    |    |    +-------ENDIF
|    |    +-------ENDIF
|    |
|    |         +-------IF CURSORGETPROP("SourceType",m.cPapaAlias)#3
AND !CURSORGETPROP("SendUpdates",m.cPapaAlias)
|    |    |              lNoSendParentUpdates = .T.
|    |    +-------ENDIF
|    |         +-------IF CURSORGETPROP("SourceType",m.cChildAlias)#3
AND !CURSORGETPROP("SendUpdates",m.cChildAlias)
|    |    |              lNoSendChildUpdates = .T.
|    |    +-------ENDIF
|    |
|    |              * Check if have two views and both do not send updates
```

```
|   |      +-------IF m.lNoSendParentUpdates AND
m.lNoSendChildUpdates
|   |   |           =MESSAGEBOX(C_NOUPDATE_LOC)
|   |   |           RETURN
|   |      +-------ENDIF
|   |
|   |           SELECT (this.Parent.OldAlias )
|   |      +-------IF !Empty(m.cGridKeyType) AND m.cGridKeyType #
TYPE(m.cPapaKey)
|   |   |           lBadChildKey = .T.
|   |      +-------ENDIF
|   |
|   |      +-------DO CASE
|   |      +-------CASE m.lNoSendParentUpdates AND (m.lBadViewKey
OR m.lBadChildKey)
|   |   |           =MESSAGEBOX(C_NOUPDATE_LOC)
|   |   |           RETURN
|   |      +-------CASE m.lPrimeKey AND m.lNoSendParentUpdates
|   |   |           =MESSAGEBOX(C_NOUPDATE2_LOC)
|   |   |           RETURN
|   |      +-------CASE m.lNoSendChildUpdates   &&child view does not
send updates
|   |   |    +-------IF
MESSAGEBOX(C_NOCHILDUPDATE_LOC,MB_Q_YESNO) #
MB_A_YES
|   |   |   |           RETURN
|   |   |    +-------ENDIF
|   |   |           APPEND BLANK
|   |      +-------CASE m.lBadViewKey    &&view key in not updatable
|   |   |    +-------IF
MESSAGEBOX(C_KEYFLDNOUPDATE_LOC,MB_Q_YESNO) #
MB_A_YES
|   |   |   |           RETURN
|   |   |    +-------ENDIF
|   |   |           APPEND BLANK
|   |      +-------CASE m.lBadChildKey    &&bad child key -- different
data type from parent
|   |   |    +-------IF
MESSAGEBOX(C_BADCHILDKEY_LOC,MB_Q_YESNO) #
MB_A_YES
|   |   |   |           RETURN
|   |   |    +-------ENDIF
```

```
|   |   |        APPEND BLANK
|   |   +-------OTHERWISE
|   |   |            * Need to check if Key field is updatable
|   |   |            lUpdatableParentKey = .T.
|   |   |   +-------IF
CURSORGETPROP("SourceType",m.cPapaAlias)#3 AND;
|   |   |   |
ATC(","+m.cPapaKey+",",","+CURSORGETPROP("UpdatableFieldList",
m.cPapaAlias)+",")=0
|   |   |   |        * cPapaKey = ""
|   |   |   |        lUpdatableParentKey = .F.
|   |   |   +-------ENDIF
|   |   |
|   |   |            * Check for expression in cPapaKey if so, then do not
update record with keyvalue
|   |   |   +-------IF ATC("(",m.cPapaKey)#0 OR
ATC("+",m.cPapaKey)#0
|   |   |   |            cPapaKey = ""
|   |   |   +-------ENDIF
|   |   |
|   |   |            nSaveSess = SET("DATASESSION")
|   |   |            oAddRec = CREATE("GridAddRec")
|   |   |   +-------IF TYPE("m.oAddRec") # "O"
|   |   |   |            =MESSAGEBOX(C_NOOBJ_LOC)
|   |   |   |            RETURN
|   |   |   +-------ENDIF
|   |   |            oAddRec.ChildPrimaryKey = m.lPrimeKey
|   |   |            oAddRec.UpdatableParentKey =
m.lUpdatableParentKey
|   |   |            oAddRec.NoSendUpdates = m.lNoSendParentUpdates
|   |   |            oAddRec.KeyField = m.cPapaKey
|   |   |            oAddRec.KeyValue =
    IIF(!Empty(m.cPapaKey),EVAL(m.cPapaKey),"")
|   |   |            oAddRec.runaddform()
|   |   |   +-------IF oAddRec.AddOption = OPT_CANCEL
|   |   |   |            RETURN
|   |   |   +-------ENDIF
|   |   |
|   |   |            SET DataSession TO nSaveSess
|   |   |            SELECT (this.Parent.OldAlias)
|   |   |
|   |   |   +-------IF TYPE("oAddRec.KeyValue") = "C"
```

```
|   |   |   |               oAddRec.KeyValue = TRIM(oAddRec.KeyValue)
|   |   |   +-------ENDIF
|   |   |
|   |   |               * Add record to parent table
|   |   |               nSaveRec = RECNO()
|   |   |   +-------IF
INLIST(oAddRec.AddOption,OPT_ADD_PARENT,OPT_ADD_BOTH)
|   |   |   |   +-------IF Empty(m.cPapaKey)
|   |   |   |   |           APPEND BLANK IN (m.cPapaAlias)
|   |   |   |   +-------ELSE
|   |   |   |   |           INSERT INTO (m.cPapaAlias)
((oAddRec.KeyField)) VALUES(oAddRec.KeyValue)
|   |   |   |   +-------ENDIF
|   |   |   +-------ENDIF
|   |   |           nSaveRec2 = RECNO()
|   |   |
|   |   |           * Add child record
|   |   |   +-------IF
INLIST(oAddRec.AddOption,OPT_ADD_CHILD,OPT_ADD_BOTH)
|   |   |   |           * Need to check
|   |   |   |           GO m.nSaveRec
|   |   |   |   +-------IF Empty(m.cChildKey) OR
TYPE(m.cChildKey)#TYPE('oAddRec.KeyValue')
|   |   |   |   |           APPEND BLANK IN (m.cChildAlias)
|   |   |   |   +-------ELSE
|   |   |   |   |           INSERT INTO (m.cChildAlias)
((m.cChildKey)) VALUES(oAddRec.KeyValue)
|   |   |   |   +-------ENDIF
|   |   |   |           GO m.nSaveRec2
|   |   |   +-------ENDIF
|   |   +-------ENDCASE
|   +-------ENDCASE
|
|           this.Parent.editmode = !this.Parent.editmode
|           this.Parent.addmode = this.Parent.editmode
|           this.Parent.topfile = .F.
|           thisform.LockScreen = .T.
|           this.Parent.buttonrefresh()
|           this.Parent.navrefresh()
|           thisform.LockScreen = .F.
+-------ENDPROC
        Top = 25
```

```
        Left = 444
        Height = 24
        Width = 60
        FontName = "MS Sans Serif"
        FontSize = 8
        Caption = "\<Eliminar"
        Enabled = .T.
        StatusBarText = "Eliminar un registro existente"
        TabIndex = 9
        ToolTipText = ""
        Name = "cmdDelete"
+-------PROCEDURE Click
|           #DEFINE MSGBOX_YES        6
|           #DEFINE C_MSGBOX1         36
|           #DEFINE C_DELETE_LOC      "¿Desea eliminar este
registro?"
|           #DEFINE C_NOLOCK_LOC      "No se pudo eliminar el registro
porque hay alguien usándolo."
|
|           * Note: Cascading deletes should be handled via RI triggers in
DBC!
|
|       +-------IF MESSAGEBOX(C_DELETE_LOC,C_MSGBOX1) =
MSGBOX_YES
|       |           Delete
|       |       +-------IF this.Parent.updaterows()  &&success
|       |       |           * Success
|       |       |       +-------IF !EOF()
|       |       |       |           Skip 1
|       |       |       +-------ENDIF
|       |       |       +-------IF EOF() AND !BOF()
|       |       |       |           Skip -1
|       |       |       +-------ENDIF
|       |       +-------ENDIF
|       |           thisform.LockScreen = .T.
|       |           this.Parent.buttonrefresh()
|       |           this.Parent.navrefresh()
|       |           thisform.LockScreen = .F.
|       +-------ENDIF
+-------ENDPROC
        Top = 25
        Left = 384
```

```
            Height = 24
            Width = 60
            FontName = "MS Sans Serif"
            FontSize = 8
            Caption = "\<Modificar"
            Enabled = .T.
            StatusBarText = "Modificar registro existente/Revertir modificaciones"
            TabIndex = 8
            ToolTipText = ""
            Name = "cmdEdit"
+-------PROCEDURE Click
|           #DEFINE C_NOUPDATE_LOC  "No puede modificar porque la
vista o las vistas seleccionadas no envían actualizaciones."
|
|           LOCAL lNoSendParentUpdates,lNoSendChildUpdates
|           LOCAL aTablesUsed,nTablesUsed,i
|
|           ** Reverting record
|     +-------IF this.Parent.editmode
|     |
|     |     +-------IF this.Parent.usedataenv
|     |     |           SELECT (this.Parent.OldAlias)
|     |     |           =TABLEREVERT(.T.)
|     |     |     +-------IF !Empty(this.Parent.gridalias)
|     |     |     |           SELECT (this.Parent.gridalias)
|     |     |     |           =TABLEREVERT(.T.)
|     |     |     +-------ENDIF
|     |     +-------ELSE
|     |     |           DIMENSION aTablesUsed[1]
|     |     |           m.nTablesUsed = AUSED(aTablesUsed)
|     |     |     +-------FOR i = 1 TO m.nTablesUsed
|     |     |     |           =TABLEREVERT(.T.,aTablesUsed[m.i,1])
|     |     |     +-------ENDFOR
|     |     +-------ENDIF
|     |
|     |           * Go back to original place
|     |           SELECT (this.Parent.OldAlias)
|     |     +-------IF RECCOUNT() < this.Parent.oldrec    &&added record
at EOF()
|     |     |           GO Top
|     |     +-------ELSE
|     |     |           GO this.Parent.oldrec
```

```
|    |       +-------ENDIF
|    +-------ELSE
|    |
|    |          * Check to see if view allows updates
|    |       +-------IF CURSORGETPROP("SourceType")#3 AND
!CURSORGETPROP("SendUpdates")
|    |    |          lNoSendParentUpdates = .T.
|    |    +-------ENDIF
|    |    +-------IF !Empty(this.Parent.gridalias) AND ;
|    |    |
CURSORGETPROP("SourceType",this.Parent.gridalias)#3 AND ;
|    |    |
!CURSORGETPROP("SendUpdates",this.Parent.gridalias)
|    |    |          lNoSendChildUpdates= .T.
|    |    +-------ENDIF
|    |
|    |    +-------IF (m.lNoSendChildUpdates AND
m.lNoSendParentUpdates) OR;
|    |    |             (Empty(this.Parent.gridalias) AND
m.lNoSendParentUpdates)
|    |    |             =MESSAGEBOX(C_NOUPDATE_LOC)
|    |    |          ,  RETURN
|    |    +-------ENDIF
|    |
|    |          this.Parent.OldAlias = Alias()        &&save alias in case
reverting
|    |          this.Parent.oldrec = RECNO()          &&save record in case
reverting
|    +-------ENDIF
|
|          ** Editing record
|          this.Parent.editmode = !this.Parent.editmode
|          this.Parent.addmode = .F.
|          thisform.LockScreen = .T.
|          this.Parent.buttonrefresh()
|          this.Parent.navrefresh()
|          thisform.LockScreen = .F.
+-------ENDPROC
     MS Sans Serif, 1, 8, 6, 13, 11, 12, 2, 0
     Width = 452
     Height = 160
     BackColor = 192,192,192
```

```
        BackStyle = 0
        TabIndex = 1
        remotedelimeter = (.F.)
        Name = "searchclass"
+-------PROCEDURE SearchExpr
|         LOCAL cGetExpr1,cGetExpr2,cJoin,cGetExpr
|
|         m.cGetExpr1 =
this.SearchItem(this.cbofields1,this.cbooperators1,this.txtexpr1)
|         m.cGetExpr2 =
this.SearchItem(this.cbofields2,this.cbooperators2,this.txtexpr2)
|         m.cJoin = IIF(this.OPTGRPANDOR.Value = 2," OR "," AND ")
|
|     +-------DO CASE
|     +-------CASE Empty(m.cGetExpr1) AND Empty(m.cGetExpr2)
|     |         m.cGetExpr = ""
|     +-------CASE Empty(m.cGetExpr2)
|     |         m.cGetExpr = m.cGetExpr1
|     +-------CASE Empty(m.cGetExpr1)
|     |         m.cGetExpr = m.cGetExpr2
|     +-------OTHERWISE
|     |         m.cGetExpr = m.cGetExpr1+m.cJoin+m.cGetExpr2
|     +-------ENDCASE
|
|         RETURN m.cGetExpr
+-------ENDPROC
+-------PROCEDURE dataexpr
|         LPARAMETER cDataType,cFldExpr
|
|         LOCAL cTmpExpr
|
|     +-------DO CASE
|     +-------CASE INLIST(m.cDataType,"M","G","P","O","U")
|     |         RETURN ""
|     |
|     +-------CASE m.cDataType = "C"
|     |     +-------IF TYPE("'Test'="+m.cFldExpr) # "L"
|     |     |     +-------IF this.remotedelimeter
|     |     |     |         cTmpExpr = ""+m.cFldExpr+""
|     |     |     +-------ELSE
|     |     |     |         cTmpExpr = ["+m.cFldExpr+"]"
|     |     |     +-------ENDIF
```

```
|   |     +-------ELSE
|   |     |          cTmpExpr = m.cFldExpr
|   |     +-------ENDIF
|   |
|   |          * Check for case sensitive
|   |     +-------IF this.chkCaseSensitive.Value = 0
|   |     |          m.cTmpExpr= "UPPER("+m.cTmpExpr+")"
|   |     +-------ENDIF
|   |          RETURN m.cTmpExpr
|   |
|   +-------CASE INLIST(m.cDataType,"N","F","I","Y","B")
|   |          * Check for any commas and remove
|   |          RETURN
ALLTRIM(STR(VAL(STRTRAN(m.cFldExpr,",","")),16,4))
|   |
|   +-------CASE INLIST(m.cDataType,"D","T")
|   |          RETURN "{"+CHRTRAN(m.cFldExpr,"{}","")+"}"
|   |
|   +-------OTHERWISE
|   |          RETURN ""
|   |
|   +-------ENDCASE
|
|
+-------ENDPROC
+-------PROCEDURE SearchItem
|          LPARAMETERS oField,oOp,oExpr
|          LOCAL
cExpr,cDataType,cOp,cFldName,cFldExpr,cRetExpr,aExprs,nTotExprs,i
|
|          * Check to make sure proper parameters passed
|     +-------IF TYPE("m.oField")#"O" OR TYPE("m.oOp")#"O" OR
TYPE("m.oExpr")#"O"
|     |          RETURN ""
|     +-------ENDIF
|
|          m.cFldName = ALLTRIM(m.oField.Value)
|          m.cFldExpr = ALLTRIM(m.oExpr.Value)
|
|          * If empty expression return empty.
|     +-------IF Empty(m.cFldExpr) AND !INLIST(m.oOp.ListItemId,5,6)
|     |          RETURN ""
```

```
|       +-------ENDIF
|
|           * Get data type of field
|           m.cDataType = aWizFList(m.oField.ListItemId,2)
|
|       +-------IF m.cDataType = "C" AND this.chkCaseSensitive.Value = 0
|       |           m.cFldName = "UPPER("+m.cFldName+")"
|       +-------ENDIF
|
|           * Get the operator language equivalent
|       +-------DO CASE
|       +-------CASE m.oOp.ListItemId = 1     && equals
|       |           m.cOp = "="
|       +-------CASE m.oOp.ListItemId = 2     && not equals
|       |           m.cOp = "<>"
|       +-------CASE m.oOp.ListItemId = 3     && more than
|       |           m.cOp = ">"
|       +-------CASE m.oOp.ListItemId = 4     && less than
|       |           m.cOp = "<"
|       +-------CASE m.oOp.ListItemId = 5     && is blank
|       |           RETURN "EMPTY("+m.cFldName+")"
|       +-------CASE m.oOp.ListItemId = 6     && is NULL
|       |           RETURN "ISNULL("+m.cFldName+")"
|       +-------CASE m.cDataType = "L"              && don't allow other
options for logical type
|       |           m.cOp = "="
|       +-------CASE m.oOp.ListItemId = 7     && contains
|       |           m.cFldExpr = this.dataexpr("C",m.cFldExpr)
|       |     +-------DO CASE
|       |     +-------CASE m.cDataType = "T"
|       |     |           RETURN
"AT("+m.cFldExpr+",TTOC("+m.cFldName+"))>0"
|       |     +-------CASE m.cDataType = "D"
|       |     |           RETURN
"AT("+m.cFldExpr+",DTOC("+m.cFldName+"))>0"
|       |     +-------CASE INLIST(m.cDataType,"N","F","I","Y","B")
|       |     |           RETURN
"AT("+m.cFldExpr+",ALLTRIM(STR("+m.cFldName+")))>0"
|       |     +-------OTHERWISE
|       |     |           RETURN "AT("+m.cFldExpr+","+m.cFldName+")>0"
|       |     +-------ENDCASE
|     +-------OTHERWISE
```

```
|    |              nTotExprs = OCCURS(",",m.cFldExpr)+1
|    |              DIMENSION aExprs[m.nTotExprs]
|    |      +-------FOR i =  1 TO m.nTotExprs
|    |    |     +-------DO CASE
|    |    |     +-------CASE m.i = m.nTotExprs
|    |    |    |         aExprs[m.i] =
SUBSTR(m.cFldExpr,RAT(",",m.cFldExpr)+1)
|    |    |     +-------CASE m.i =1
|    |    |    |         aExprs[m.i] =
Left(m.cFldExpr,AT(",",m.cFldExpr)-1)
|    |    |     +-------OTHERWISE
|    |    |    |         aExprs[m.i] =
SUBSTR(m.cFldExpr,AT(",",m.cFldExpr,m.i-1)+1,;
|    |    |    |             AT(",",m.cFldExpr,m.i)-
AT(",",m.cFldExpr,m.i-1)-1)
|    |    |     +-------ENDCASE
|    |    |         aExprs[m.i] = this.dataexpr(m.cDataType,aExprs[m.i])
|    |      +-------ENDFOR
|    |
|    |      +-------DO CASE
|    |      +-------CASE m.oOp.ListItemId = 8        && in
|    |    |         m.cFldExpr = ""
|    |    |     +-------FOR i = 1 TO m.nTotExprs
|    |    |    |         m.cFldExpr = m.cFldExpr + aExprs[m.i]
|    |    |    |     +-------IF   m.i # m.nTotExprs
|    |    |    |    |         m.cFldExpr = m.cFldExpr + ","
|    |    |    |     +-------ENDIF
|    |    |     +-------ENDFOR
|    |    |         RETURN
"INLIST("+m.cFldName+","+m.cFldExpr+")"
|    |      +-------CASE m.oOp.ListItemId = 9        && between
|    |    |     +-------IF ALEN(aExprs)=1
|    |    |    |         DIMENSION aExprs[2]
|    |    |    |         aExprs[2] = aExprs[1]
|    |    |     +-------ENDIF
|    |    |     +-------IF ALEN(aExprs)>2
|    |    |    |         DIMENSION aExprs[2]
|    |    |     +-------ENDIF
|    |    |         RETURN
"BETWEEN("+m.cFldName+","+aExprs[1]+","+aExprs[2]+")"
|    |      +-------OTHERWISE
|    |    |         RETURN ""
```

```
|     |        +--------ENDCASE
|     +-------ENDCASE
|
|     +-------DO CASE
|     +-------CASE INLIST(m.cDataType,"M","G","P","O","U")
|     |           RETURN ""
|     +-------CASE m.cDataType = "L"
|     |        +-------IF TYPE(m.cFldName+m.cOp+m.cFldExpr) # "L"
|     |     |      +-------IF (AT(m.cFldExpr,"fFnN")#0 AND m.cOp # "<>")
OR (AT(m.cFldExpr,"tTyY")#0 AND m.cOp = "<>")
|     |     |     |             m.cFldName = "!"+m.cFldName
|     |     |     +-------ENDIF
|     |     |           RETURN m.cFldName
|     |     +-------ENDIF
|     +-------OTHERWISE
|     |           m.cFldExpr = this.dataexpr(m.cDataType,m.cFldExpr)
|     +-------ENDCASE
|
|     +-------IF Empty(m.cFldExpr)
|     |           RETURN ""
|     +-------ELSE
|     |           RETURN m.cFldName+m.cOp+m.cFldExpr
|     +-------ENDIF
|
|
|
+-------ENDPROC
+-------PROCEDURE Destroy
|           Release aWizFList
|
+-------ENDPROC
        FontName = "MS Sans Serif"
        FontSize = 8
        ControlSource = ""
        Height = 23
        Left = 11
        Style = 2
        TabIndex = 1
        Top = 25
        Width = 141
        ItemBackColor = 255,255,255
        ColorSource = 3
        Name = "cboFields1"
```

```
+-------PROCEDURE Init
|          LOCAL i
|          PUBLIC aWizFList
|          DIMENSION aWizFList[1]
|          =AFIELDS(aWizFList)
|     +-------FOR m.i = FCOUNT() TO 1 STEP -1
|     |      +-------IF INLIST(aWizFList[m.i,2],"G","M","U")     &&Memo
field
|     |      |              =ADEL(aWizFList,m.i)
|     |      |              DIMENSION aWizFList[MAX(1,ALEN(aWizFList,1)-
1),11]
|     |      +-------ENDIF
|     +-------ENDFOR
|          this.RowSourceType = 5
|          this.RowSource = "aWizFList"
|          this.Value = this.List[1]
|
+-------ENDPROC
      FontName = "MS Sans Serif"
      FontSize = 8
      Alignment = 0
      Height = 23
      Left = 158
      Style = 2
      TabIndex = 2
      Top = 25
      Width = 96
      DisabledForeColor = 0,0,0
      ItemBackColor = 255,255,255
      ColorSource = 3
      Name = "cboOperators1"
+-------PROCEDURE Init
|          #DEFINE C_OPERATORS_LOC"es igual\;no es igual\;más
que\;menos que\;es blanco\;es NULL\;contiene\;en\;entre"
|          this.AddItem(C_OPERATORS_LOC)
|          this.Value = this.List[1]
|
+-------ENDPROC
+-------PROCEDURE InteractiveChange
|     +-------IF INLIST(this.ListItemId,5,6)
|     |              this.Parent.txtexpr1.Value = ""
|     +-------ENDIF
```

```
|                this.Parent.txtexpr1.Enabled = !INLIST(this.ListItemId,5,6)
|
+-------ENDPROC
        FontName = "MS Sans Serif"
        FontSize = 8
        Height = 23
        Left = 260
        TabIndex = 3
        Top = 25
        Width = 176
        Name = "txtExpr1"
        FontName = "MS Sans Serif"
        FontSize = 8
        Height = 23
        Left = 11
        Style = 2
        TabIndex = 4
        Top = 117
        Width = 141
        ItemBackColor = 255,255,255
        ColorSource = 3
        Name = "cboFields2"
+-------PROCEDURE Init
|           this.RowSourceType = 5
|           this.RowSource = "aWizFList"
|           this.Value = this.List[1]
|
+-------ENDPROC
        FontName = "MS Sans Serif"
        FontSize = 8
        Height = 23
        Left = 160
        Style = 2
        TabIndex = 5
        Top = 117
        Width = 96
        DisabledForeColor = 0,0,0
        ItemBackColor = 255,255,255
        ColorSource = 3
        Name = "cboOperators2"
+-------PROCEDURE Init
```

```
|         #DEFINE C_OPERATORS_LOC"es igual\;no es igual\;más
que\;menos que\;es blanco\;es NULL\;contiene\;en\;entre"
|         this.AddItem(C_OPERATORS_LOC)
|         this.Value = this.List[1]
|
+-------ENDPROC
+-------PROCEDURE InteractiveChange
|   +-------IF INLIST(this.ListItemId,5,6)
|   |         this.Parent.txtexpr2.Value = ""
|   +-------ENDIF
|         this.Parent.txtexpr2.Enabled = !INLIST(this.ListItemId,5,6)
|
+-------ENDPROC
    FontName = "MS Sans Serif"
    FontSize = 8
    Height = 23
    Left = 260
    TabIndex = 6
    Top = 118
    Width = 176
    Name = "txtExpr2"
    AutoSize = .T.
    ButtonCount = 2
    BackStyle = 0
    Value = 1
    Height = 46
    Left = 50
    Top = 55
    Width = 58
    TabIndex = 7
    Name = "optgrpAndOr"
    Option1.FontBold = .T.
    Option1.FontName = "MS Sans Serif"
    Option1.FontSize = 8
    Option1.BackStyle = 0
    Option1.Caption = "\<Y"
    Option1.Value = 1
    Option1.Height = 18
    Option1.Left = 5
    Option1.Top = 5
    Option1.Width = 48
    Option1.Name = "Option1"
```

```
       Option2.FontBold = .T.
       Option2.FontName = "MS Sans Serif"
       Option2.FontSize = 8
       Option2.BackStyle = 0
       Option2.Caption = "\<O"
       Option2.Value = 0
       Option2.Height = 18
       Option2.Left = 5
       Option2.Top = 23
       Option2.Width = 39
       Option2.Name = "Option2"
+-------PROCEDURE Init
|          this.Value =1
+-------ENDPROC
       FontName = "MS Sans Serif"
       FontSize = 8
       BackStyle = 0
       Caption = "Campo:"
       Height = 16
       Left = 12
       Top = 7
       Width = 102
       Name = "label1"
       FontName = "MS Sans Serif"
       FontSize = 8
       BackStyle = 0
       Caption = "Operador:"
       Height = 16
       Left = 158
       Top = 7
       Width = 93
       Name = "label2"
       FontBold = .T.
       FontName = "MS Sans Serif"
       FontSize = 8
       BackStyle = 0
       Caption = "Valor:"
       Height = 16
       Left = 262
       Top = 7
       Width = 165
       Name = "label3"
```

```
FontName = "MS Sans Serif"
FontSize = 8
BackStyle = 0
Caption = "Campo:"
Height = 16
Left = 12
Top = 99
Width = 102
Name = "label4"
FontName = "MS Sans Serif"
FontSize = 8
BackStyle = 0
Caption = "Operador:"
Height = 16
Left = 161
Top = 99
Width = 93
Name = "label5"
FontBold = .T.
FontName = "MS Sans Serif"
FontSize = 8
BackStyle = 0
Caption = "Valor:"
Height = 16
Left = 262
Top = 99
Width = 165
Name = "label6"
Top = 69
Left = 290
Height = 15
Width = 155
FontName = "MS Sans Serif"
FontSize = 8
AutoSize = .T.
BackStyle = 0
Caption = "\<Distinguir MAY/min"
TabIndex = 8
Name = "chkCaseSensitive"
MS Sans Serif, 1, 8, 6, 13, 11, 12, 2, 0
ScaleMode = 3
DoCreate = .T.
```

```
wizlayout = layoutsty
wizfield = shadowfield
wizmemo = shadowmemo
wizlogic = shadowlogic
wizole = shadowole
wizmaxcharfld = 45
wizlblsuffix = (":")
wizlblcap = PROPER
wizformstretch = .T.
wizlbldefwid = .T.
wiztitle = Label1
wizuser = 0
wizgrid = grid1
wizverify = .T.
wizbtnpos = 0
wizcodestyle = .T.
Name = "shadowform"
Top = 54
Left = 7
Width = 564
Height = 205
TabIndex = 0
odimensions = Shape1
Name = "Layoutsty"
Shape1.Height = 205
Shape1.Left = 0
Shape1.Top = 0
Shape1.Width = 563
Shape1.Name = "shape1"
Shape2.Left = 16
Shape2.Top = 7
Shape2.Name = "shape2"
Shape3.Left = 16
Shape3.Top = 22
Shape3.Name = "shape3"
Shape4.Left = 56
Shape4.Top = 7
Shape4.Name = "shape4"
Height = 2
Left = 0
Top = 48
Width = 584
```

Name = "Shape1"
Height = 2
Left = 2
Top = 264
Width = 584
Name = "Shape2"
AutoSize = .T.
FontSize = 14
BackStyle = 0
Caption = "Etiqueta1"
Height = 25
Left = 26
Top = 12
Width = 62
Name = "Label1"
Arial, 1, 10, 6, 16, 13, 16, 3, 0
Arial, 1, 14, 9, 23, 18, 24, 4, 1
ScaleMode = 3
DoCreate = .T.
wizlayout = layoutsty
wizfield = chiselfield
wizmemo = chiselmemo
wizlogic = chisellogic
wizole = chiselole
wizmaxcharfld = 45
wizlblsuffix = (":")
wizlblcap = PROPER
wizformstretch = .T.
wizlbldefwid = .T.
wiztitle = Label1
wizuser = 0
wizgrid = grid1
wizverify = .T.
wizbtnpos = 0
wizcodestyle = .T.
Name = "chiselform"
Top = 53
Left = 2
Width = 573
Height = 213
TabIndex = 0
ZOrderSet = 0

```
odimensions = Shape1
Name = "Layoutsty"
Shape1.Height = 212
Shape1.Left = 0
Shape1.Top = 0
Shape1.Width = 572
Shape1.Name = "shape1"
Shape2.Left = 16
Shape2.Top = 7
Shape2.Name = "shape2"
Shape3.Left = 16
Shape3.Top = 22
Shape3.Name = "shape3"
Shape4.Left = 255
Shape4.Top = 7
Shape4.Name = "shape4"
Height = 2
Left = 0
Top = 270
Width = 584
ZOrderSet = 1
Name = "Shape2"
BorderColor = 0,0,0
FillColor = 0,0,0
FillStyle = 0
Height = 50
Left = 0
Top = 0
Width = 580
ZOrderSet = 2
Name = "Shape3"
AutoSize = .T.
FontSize = 20
BackColor = 0,0,0
BackStyle = 0
Caption = "Etiqueta1"
ForeColor = 255,255,255
Height = 35
Left = 19
Top = 10
Width = 87
ZOrderSet = 3
```

Name = "Label1"
Arial, 1, 10, 6, 16, 13, 16, 3, 0
Arial, 1, 20, 13, 33, 25, 34, 7, 1
DataSession = 1
ScaleMode = 3
Height = 350
Width = 575
DoCreate = .T.
AutoCenter = .T.
BackColor = 192,192,192
Caption = "Formulario1"
Enabled = .T.
wizlayout =
wizfield =
wizmemo =
wizlogic = 0
wizole =
wizmaxcharfld = 0
wizlblsuffix = 0
wizlblcap = 0
wizformstretch = 0
wizlbldefwid = 0
wiztitle =
wizuser = 0
wizgrid =
wizverify = 0
wizbuttons = 0
wizbtnpos = 0
wizcodestyle = 0
wizbtnlayout = 0
wizcaptions = .T.
wizbuffering = 5
wizlabel =
wizlblspace = 0
wizpages = 0
Name = "baseform"
Arial, 1, 10, 6, 16, 13, 16, 3, 0

ESTRUCTURA DE ARBOL DEL PROYECTO

Diagrama en árbol

DATOSING

datos

****

Jerarquía de clases
form

+---datos	DATOSING.SCX
+---Form1	PARA.SCX
+---Form1	REPORTS.SCX
+---tsformretval	TSBASE.VCX
+---tsBaseForm	TSBASE.VCX
+---tstextform	TSBASE.VCX
+---tsmaintform	TSBASE.VCX
+---gridaddform	WIZSTYLE.VCX
+---searchform	WIZSTYLE.VCX
+---baseform	WIZSTYLE.VCX
+---nobtns	WIZSTYLE.VCX
+---boxform	WIZSTYLE.VCX
+---embossedform	WIZSTYLE.VCX
+---standardform	WIZSTYLE.VCX
+---Form1	TEMAS.SCX
+---shadowform	WIZSTYLE.VCX
+---chiselform	WIZSTYLE.VCX

container

+---layoutsty	WIZSTYLE.VCX
+---chiselbase	WIZSTYLE.VCX
+---chiselfield	WIZSTYLE.VCX

```
|   +---chiselmemo              WIZSTYLE.VCX
|   +---chiselole               WIZSTYLE.VCX
|   +---chisellogic             WIZSTYLE.VCX
+---shadowbase                  WIZSTYLE.VCX
|   +---shadowfield             WIZSTYLE.VCX
|   +---shadowlogic             WIZSTYLE.VCX
|   +---shadowole               WIZSTYLE.VCX
|   +---shadowmemo              WIZSTYLE.VCX
+---boxbase                     WIZSTYLE.VCX
|   +---boxfield                WIZSTYLE.VCX
|   +---boxmemo                 WIZSTYLE.VCX
|   +---boxole                  WIZSTYLE.VCX
|   +---boxlogic                WIZSTYLE.VCX
+---TxtBtns                     WIZSTYLE.VCX
|   +---BUTTONSET1              DATOSING.SCX
|   +---BUTTONSET1              TEMAS.SCX
|   +---verttxtbtns             WIZSTYLE.VCX
|   +---picbtns                 WIZSTYLE.VCX
+---searchclass                 WIZSTYLE.VCX
    +---Searchclass1            WIZSTYLE.VCX

checkbox
+---tscheckbox                  TSBASE.VCX
+---embossedlogic               WIZSTYLE.VCX
+---standardlogic               WIZSTYLE.VCX
+---Check1                      WIZSTYLE.VCX
+---Check1                      WIZSTYLE.VCX
+---Check1                      WIZSTYLE.VCX
+---chkCaseSensitive            WIZSTYLE.VCX

combobox
+---CboMunicipios               DATOSING.SCX
+---Cbotemas                    DATOSING.SCX
+---Combo1                      PARA.SCX
+---Combo2                      PARA.SCX
+---tscombobox                  TSBASE.VCX
+---tsifcombo                   TSBASE.VCX
+---cbofields1                  WIZSTYLE.VCX
+---cbooperators1               WIZSTYLE.VCX
+---cbofields2                  WIZSTYLE.VCX
+---cbooperators2               WIZSTYLE.VCX
```

```
commandbutton
+---cmdRun                      REPORTS.SCX
+---Cmdclos                     REPORTS.SCX
+---tscommandbutton              TSBASE.VCX
|   +---cmdOK                   PARA.SCX
|   +---cmdCancel               PARA.SCX
|   +---cmdClose                TSBASE.VCX
|   +---cmdPrint                TSBASE.VCX
+---tstoolbarbutton              TSBASE.VCX
|   +---cmdFirst                TSBASE.VCX
|   +---cmdPrior                TSBASE.VCX
|   +---cmdNext                 TSBASE.VCX
|   +---cmdLast                 TSBASE.VCX
|   +---cmdNew                   TSBASE.VCX
|   +---cmdSave                 TSBASE.VCX
|   +---cmdRestore               TSBASE.VCX
|   +---cmdClose                TSBASE.VCX
|   +---cmdBehindSC              TSBASE.VCX
+---cmdPrev                     WIZSTYLE.VCX
+---cmdNext                     WIZSTYLE.VCX
+---cmdTop                      WIZSTYLE.VCX
+---cmdEnd                      WIZSTYLE.VCX
+---cmdFind                     WIZSTYLE.VCX
+---cmdPrint                    WIZSTYLE.VCX
+---cmdExit                     WIZSTYLE.VCX
+---cmdAdd                       WIZSTYLE.VCX
+---cmdDelete                   WIZSTYLE.VCX
+---cmdEdit                     WIZSTYLE.VCX

commandgroup
+---CommandGroup1                WIZSTYLE.VCX
+---CommandGroup1                WIZSTYLE.VCX

cursor
+---Cursor1                     DATOSING.SCX
+---Cursor1                     REPORTS.SCX
+---Cursor1                     TEMAS.SCX

custom
+---gridaddrec                  WIZSTYLE.VCX

editbox
```

```
+---tseditbox                          TSBASE.VCX
|   +---edtText                        TSBASE.VCX
+---embossedmemo                          WIZSTYLE.VCX
+---standardmemo                          WIZSTYLE.VCX
+---Edit1                              WIZSTYLE.VCX
+---Edit1                              WIZSTYLE.VCX
+---Edit1                              WIZSTYLE.VCX

grid
+---Grid2                              DATOSING.SCX
+---Grid2                              TEMAS.SCX
+---tsgrid                             TSBASE.VCX
|   +---grdList                        TSBASE.VCX
+---grid1                              WIZSTYLE.VCX

label
+---tslabel                            TSBASE.VCX
|   +---Tslabel1                       PARA.SCX
|   +---Tslabel2                       PARA.SCX
|   +---Tslabel3                       PARA.SCX
|   +---Tslabel4                       PARA.SCX
|   +---Tslabel5                       PARA.SCX
|   +---Tslabel1                       REPORTS.SCX
+---Label1                             WIZSTYLE.VCX
+---embossedlabel                         WIZSTYLE.VCX
+---standardlabel                         WIZSTYLE.VCX
|   +---LBLID_DATO1                       DATOSING.SCX
|   +---LBLSECCIONELE1                     DATOSING.SCX
|   +---LBLCONURBANO1                      DATOSING.SCX
|   +---LBLCONURBANOAMPLIADO1                  DATOSING.SCX
|   +---LBLZONA1                       DATOSING.SCX
|   +---LBLREGION1                        DATOSING.SCX
|   +---LBLDISTRITO1                      DATOSING.SCX
|   +---LBLINGRESO1                       DATOSING.SCX
|   +---LBLTEMA11                       DATOSING.SCX
|   +---LBLFUENTE1                        DATOSING.SCX
|   +---LBLCHEQUEADO1                      DATOSING.SCX
|   +---LBLCONSULTADO1                     DATOSING.SCX
|   +---LBLDESCRIPCIO1                     DATOSING.SCX
|   +---LBLDATO1                       DATOSING.SCX
|   +---LBLVALORHISTORICO1                   DATOSING.SCX
|   +---LBLVALORACTUALIZADO1                   DATOSING.SCX
```

```
|   +---LBLPORCENTAJE1          DATOSING.SCX
|   +---LBLAÑO1                 DATOSING.SCX
|   +---LBLTEMA1                TEMAS.SCX
|   +---LBLDESCRIPCION1           TEMAS.SCX
+---Label1                     WIZSTYLE.VCX
+---Label1                     WIZSTYLE.VCX
+---Label1                     WIZSTYLE.VCX
+---Label2                     WIZSTYLE.VCX
+---Label3                     WIZSTYLE.VCX
+---Label4                     WIZSTYLE.VCX
+---Label5                     WIZSTYLE.VCX
+---Label1                     WIZSTYLE.VCX
+---Label1                     WIZSTYLE.VCX
+---Label1                     WIZSTYLE.VCX
+---Label1                     WIZSTYLE.VCX
+---Label2                     WIZSTYLE.VCX
+---Label3                     WIZSTYLE.VCX
+---Label4                     WIZSTYLE.VCX
+---Label5                     WIZSTYLE.VCX
+---label6                   WIZSTYLE.VCX
+---Label1                     WIZSTYLE.VCX
+---Label1                     WIZSTYLE.VCX

listbox
+---lstReport                  REPORTS.SCX
+---tslistbox                  TSBASE.VCX

oleboundcontrol
+---embossedole                 WIZSTYLE.VCX
+---standardole                WIZSTYLE.VCX
|   +---DATO1                  DATOSING.SCX
+---Oleboundcontrol1            WIZSTYLE.VCX
+---Oleboundcontrol1            WIZSTYLE.VCX
+---Oleboundcontrol1            WIZSTYLE.VCX

optiongroup
+---opgOutputType               REPORTS.SCX
+---opgOutput                  REPORTS.SCX
+---tsoptiongroup              TSBASE.VCX
+---Optiongroup1                WIZSTYLE.VCX
+---OPTGRPANDOR                  WIZSTYLE.VCX
```

```
pageframe
+---Pageframe1              DATOSING.SCX
+---datos                  TEMAS.SCX
+---Pageframe1             TSBASE.VCX


separator
+---Separator1             TSBASE.VCX
+---Separator3             TSBASE.VCX
+---separator2             TSBASE.VCX


shape
+---ts3dshape              TSBASE.VCX
+---Shape1                 WIZSTYLE.VCX
+---Shape2                 WIZSTYLE.VCX
+---wizshape               WIZSTYLE.VCX
|  +---Shape1              WIZSTYLE.VCX
+---Shape1                 WIZSTYLE.VCX
+---Shape2                 WIZSTYLE.VCX
+---Shape3                 WIZSTYLE.VCX
+---Shape4                 WIZSTYLE.VCX
+---Shape1                 WIZSTYLE.VCX
+---Shape2                 WIZSTYLE.VCX
+---Shape1                 WIZSTYLE.VCX
+---Shape2                 WIZSTYLE.VCX
+---Shape3                 WIZSTYLE.VCX
+---Shape4                 WIZSTYLE.VCX
+---Shape2                 WIZSTYLE.VCX
+---Shape1                 WIZSTYLE.VCX
+---Shape1                 WIZSTYLE.VCX
+---Shape1                 WIZSTYLE.VCX
+---Shape2                 WIZSTYLE.VCX
+---Shape2                 WIZSTYLE.VCX
+---Shape3                 WIZSTYLE.VCX


textbox
+---tstextbox              TSBASE.VCX
|  +---txtDateFrom         PARA.SCX
|  +---txtDateTo           PARA.SCX
+---embossedfield          WIZSTYLE.VCX
+---standardfield          WIZSTYLE.VCX
|  +---ID_DATO1            DATOSING.SCX
|  +---SECCIONELE1         DATOSING.SCX
```

```
|  +---CONURBANO1            DATOSING.SCX
|  +---CONURBANOAMPLIADO1        DATOSING.SCX
|  +---ZONA1              DATOSING.SCX
|  +---REGION1             DATOSING.SCX
|  +---DISTRITO1            DATOSING.SCX
|  +---INGRESO1            DATOSING.SCX
|  +---TEMA1             DATOSING.SCX
|  +---FUENTE1            DATOSING.SCX
|  +---CHEQUEADO1             DATOSING.SCX
|  +---CONSULTADO1            DATOSING.SCX
|  +---DESCRIPCIO1           DATOSING.SCX
|  +---VALORHISTORICO1            DATOSING.SCX
|  +---UNIDADMEDIDAH1           DATOSING.SCX
|  +---VALORACTUALIZADO1             DATOSING.SCX
|  +---UNIDADMEDIDAA1           DATOSING.SCX
|  +---PORCENTAJE1           DATOSING.SCX
|  +---AÑO1             DATOSING.SCX
|  +---TEMA1             TEMAS.SCX
|  +---DESCRIPCION1            TEMAS.SCX
+---Text1              WIZSTYLE.VCX
+---Text1              WIZSTYLE.VCX
+---Text1              WIZSTYLE.VCX
+---Text1              WIZSTYLE.VCX
+---txtexpr1             WIZSTYLE.VCX
+---txtexpr2             WIZSTYLE.VCX

toolbar
+---tstoolbar             TSBASE.VCX
```

ANEXO I

LISTADOS OBTENIDOS HASTA EL MOMENTO, A REVEER Y ADAPTAR PARA AJUSTAR A LAS NECESIDADES REALES

TEMAS

08/04/97

Tema	Descripción
01	RECURSOS
0101	INGRESOS CORRIENTES
010101	INGRESOS DE JURISDICCION MUNICIPAL
01010101	TRIBUTOS
0101010101	TASA ABL
010101010101	TASA ABL DEL EJERCICIO
010101010102	TASA ABL EJERCICIOS ANTERIORES
0101010102	TASA DE SEGURIDAD E HIGIENE
010101010201	TASA SEGURIDAD E HIGIENE DEL E
010101010202	TASA SEGURIDAD E HIGIENE EJ.AN
0101010103	TASA DE INSPECCION VETERINARIA
0101010104	DERECHOS DE OFICINA
0101010105	DERECHOS DE CONSTRUCCION
0101010106	MARCAS Y SEÑAS
0101010107	RED VIAL
010101010701	RED VIAL DEL EJERCICIO
010101010702	RED VIAL EJERCICIOS ANTERIOR.
0101010108	DERECHOS DE CEMENTERIO
0101010109	SERVICIOS ASISTENCIALES
0101010110	CONTRIBUCION DE MEJORAS
0101010111	SERVICIOS SANITARIOS
010101011101	SERVICIOS SANITARIOS DEL EJERC
010101011102	SERVICIOS SANITARIOS EJERC.ANT
0101010112	RESTO DE TRIBUTOS
01010102	OTROS INGRESOS DE JURISDICCION MUN
010102	INGRESOS DE OTRAS JURISDICCIONES
01010201	COPARTICIPACION

Tema	Descripción
01010202	APORTES NO REINTEGRABLES
01010203	OTROS INGRESOS DE OTRA JURISDCCION
0102	INGRESOS DE CAPITAL
010201	USO DEL CREDITO
010202	REEMBOLSO DE PRESTAMOS
010203	VENTA DE ACTIVO FIJO
010204	OTROS INGRESOS DE CAPITAL
0103	SALDO DE TRANFERENCIAS EJERC. ANTERIOR
02	EROGACIONES (APERTURA ECONOMICA)
0201	EROGACIONES CORRIENTES
020101	PERSONAL
020102	BIENES Y SERVICIOS
020103	INTERESES Y GASTOS DE LA DEUDA
020104	TRANSFERENCIAS CORRIENTES
020105	EROGACIONES CORRIENTES A CLASIFICAR
0202	EROGACIONES DE CAPITAL
020201	BIENES DE CAPITAL
020202	TRABAJOS PUBLICOS
020203	INVERSION FINANCIERA
020204	AMORTIZACION DE LA DEUDA
020205	TRANSFERENCIA DE CAPITAL
020206	EROGACIONES DE CAPITAL A CLASIFICAR
0203	DEUDA FLOTANTE
0204	DEVOLUCION DE TRIBUTOS
03	EROGACIONES (APERTURA POR FINALIDAD)
0301	HONORABLE CONCEJO DELIBERANTE
0302	ADMINISTRACION GENERAL
0303	SALUD PUBLICA
0304	SERVICIOS ESPECIALES URBANOS

Tema	Descripción
0305	INFRAESTRUCTURA VIAL
0306	BIENESTAR SOCIAL
0307	DEUDA FLOTANTE
0308	DEVOLUCION DE TRIBUTOS
0309	OTRAS EROGACIONES A CLASIFICAR

LISTADO DE DATOS DE MUNICIPIOS POR AÑO

08/04/97

Tema	Descripción	Año	Valor Actualizado	Fuente	Ingreso
Sección 4	Avellaneda				
0101	INGRESOS CORRIENTES	1993	78.442.381,00 $	Dir.Estad.	25/03/97
010101	INGRESOS DE JURISDICCION MUNICIPAL	1993	57.346.501,00 $	Dir.Estad.	25/03/97
01010101	TRIBUTOS	1993	50.493.798,00 $	Dir.Estad.	25/03/97
0101010101	TASA ABL	1993	25.561.421,00 $	Dir.Estad.	25/03/97
010101010101	TASA ABL DEL EJERCICIO	1993	21.130.153,00 $	Dir.Estad.	25/03/97
010101010102	TASA ABL EJERCICIOS ANTERIORES	1993	4.431.268,00 $	Dir.Estad.	25/03/97
0101010102	TASA DE SEGURIDAD E HIGIENE	1993	14.994.118,00 $	Dir.Estad.	25/03/97
010101010201	TASA SEGURIDAD E HIGIENE DEL E	1993	10.994.916,00 $	Dir.Estad.	25/03/97
010101010202	TASA SEGURIDAD E HIGIENE EJ.AN	1993	3.999.202,00 $	Dir.Estad.	25/03/97
0101010103	TASA DE INSPECCION VETERINARIA	1993	448.361,00 $	Dir.Estad.	25/03/97
0101010104	DERECHOS DE OFICINA	1993	1.281.717,00 $	Dir.Estad.	25/03/97
0101010105	DERECHOS DE CONSTRUCCION	1993	1.736.480,00 $	Dir.Estad.	25/03/97
0101010106	MARCAS Y SEÑAS	1993	5,00 $	Dir.Estad.	25/03/97
0101010107	RED VIAL	1993	0,00 $	Dir.Estad.	25/03/97

Partida	Descripción	Año	Valor Actualizado	Fuente	Ingreso
010101010701	RED VIAL DEL EJERCICIO	1993	-0,00 $	Dir.Estad.	25/03/97
010101010702	RED VIAL EJERCICIOS ANTERIOR.	1993	0,00 $	Dir.Estad.	25/03/97
0101010108	DERECHOS DE CEMENTERIO	1993	1.441.361,00 $	Dir.Estad.	25/03/97
0101010109	SERVICIOS ASISTENCIALES	1993	0,00 $	Dir.Estad.	25/03/97
0101010110	CONTRIBUCION DE MEJORAS	1993	2.372.240,00 $	Dir.Estad.	25/03/97
0101010111	SERVICIOS SANITARIOS	1993	0,00 $	Dir.Estad.	25/03/97
010101011101	SERVICIOS SANITARIOS DEL EJERC	1993	0,00 $	Dir.Estad.	25/03/97
010101011102	SERVICIOS SANITARIOS EJERC.ANT	1993	0,00 $	Dir.Estad.	25/03/97
0101010112	RESTO DE TRIBUTOS	1993	2.658.095,00 $	Dir.Estad.	25/03/97
01010102	OTROS INGRESOS DE JURISDICCION MUN	1993	6.852.703,00 $	Dir.Estad.	25/03/97
010102	INGRESOS DE OTRAS JURISDICCIONES	1993	21.095.880,00 $	Dir.Estad.	25/03/97
01010201	COPARTICIPACION	1993	18.648.103,00 $	Dir.Estad.	25/03/97
01010202	APORTES NO REINTEGRABLES	1993	1.577.614,00 $	Dir.Estad.	25/03/97
01010203	OTROS INGRESOS DE OTRA JURISDCCION	1993	870.163,00 $	Dir.Estad.	25/03/97
0101	INGRESOS CORRIENTES	1994	82.317.872,00 $	Dir.Estad.	25/03/97
010101	INGRESOS DE JURISDICCION MUNICIPAL	1994	65.320.014,00 $	Dir.Estad.	25/03/97

Tema	Descripción	Año	Valor Actualizado	Fuente	Ingreso
01010101	TRIBUTOS	1994	59.371.647,00 $	Dir.Estad.	25/03/97
0101010101	TASA ABL	1994	32.843.597,00 $	Dir.Estad.	25/03/97
010101010101	TASA ABL DEL EJÉRCICIO	1994	26.784.869,00 $	Dir.Estad.	25/03/97
010101010102	TASA ABL EJERCICIOS ANTERIORES	1994	6.058.728,00 $	Dir.Estad.	25/03/97
0101010102	TASA DE SEGURIDAD E HIGIENE	1994	16.065.933,00 $	Dir.Estad.	25/03/97
0101010103	TASA DE INSPECCION VETERINARIA	1994	550.614,00 $	Dir.Estad.	25/03/97
0101010104	DERECHOS DE OFICINA	1994	1.519.205,00 $	Dir.Estad.	25/03/97
0101010105	DERECHOS DE CONSTRUCCION	1994	1.353.319,00 $	Dir.Estad.	25/03/97
0101010106	MARCAS Y SEÑAS	1994	8,00 $	Dir.Estad.	25/03/97
0101010107	RED VIAL	1994	0,00 $	Dir.Estad.	25/03/97
010101010701	RED VIAL DEL EJERCICIO	1994	0,00 $	Dir.Estad.	25/03/97
010101010702	RED VIAL EJERCICIOS ANTERIOR.	1994	0,00 $	Dir.Estad.	25/03/97
0101010108	DERECHOS DE CEMENTERIO	1994	1.435.703,00 $	Dir.Estad.	25/03/97
0101010109	SERVICIOS ASISTENCIALES	1994	0,00 $	Dir.Estad.	25/03/97
0101010110	CONTRIBUCION DE MEJORAS	1994	2.765.580,00 $	Dir.Estad.	25/03/97
0101010111	SERVICIOS SANITARIOS	1994	0,00 $	Dir.Estad.	25/03/97

Tema	Descripción	Año	Valor Actualizado	Fuente	Ingreso
0101010112	RESTO DE TRIBUTOS	1994	2.837.688,00 $	Dir.Estad.	25/03/97
01010102	OTROS INGRESOS DE JURISDICCION MUN	1994	5.948.367,00 $	Dir.Estad.	25/03/97
010102	INGRESOS DE OTRAS JURISDICCIONES	1994	16.997.858,00 $	Dir.Estad.	25/03/97
01010201	COPARTICIPACION	1994	4.444.361,00 $	Dir.Estad.	25/03/97
01010202	APORTES NO REINTEGRABLES	1994	7.401.452,00 $	Dir.Estad.	25/03/97
01010203	OTROS INGRESOS DE OTRA JURISDCCION	1994	5.152.045,00 $	Dir.Estad.	25/03/97

LISTADO EVOLUTIVO DE DATOS DE MUNICIPIOS

08/04/97

	Año	Valor Actualizado	Fuente	Ingreso
Sección 4 Avellaneda				
Tema 0101				
INGRESOS CORRIENTES				
	1993	78.442.381,00 $	Dir.Estad.	25/03/97
	1994	82.317.872,00 $	Dir.Estad.	25/03/97
	1995	75.894.926,00 $	Dir.Estad.	25/03/97
Tema 010101				
INGRESOS DE JURISDICCION MUNICIPAL				
	1993	57.346.501,00 $	Dir.Estad.	25/03/97
	1994	65.320.014,00 $	Dir.Estad.	25/03/97
	1995	56.149.222,00 $	Dir.Estad.	25/03/97
Tema 01010101				
TRIBUTOS				
	1993	50.493.798,00 $	Dir.Estad.	25/03/97
	1994	59.371.647,00 $	Dir.Estad.	25/03/97
	1995	53.713.764,00 $	Dir.Estad.	25/03/97
Tema 0101010101				
TASA ABL				
	1993	25.561.421,00 $	Dir.Estad.	25/03/97

	Año	Valor Actualizado	Fuente	Ingreso
	1994	32.843.597,00 $	Dir.Estad.	25/03/97
	1995	30.136.742,00 $	Dir.Estad.	25/03/97

Tema 010101010101
TASA ABL DEL EJERCICIO

	Año	Valor Actualizado	Fuente	Ingreso
	1993	21.130.153,00 $	Dir.Estad.	25/03/97
	1994	26.784.869,00 $	Dir.Estad.	25/03/97
	1995	25.596.404,00 $	Dir.Estad.	25/03/97

Tema 010101010102
TASA ABL EJERCICIOS ANTERIORES

	Año	Valor Actualizado	Fuente	Ingreso
	1993	4.431.268,00 $	Dir.Estad.	25/03/97
	1994	6.058.728,00 $	Dir.Estad.	25/03/97
	1995	4.540.338,00 $	Dir.Estad.	25/03/97

Tema 0101010102
TASA DE SEGURIDAD E HIGIENE

	Año	Valor Actualizado	Fuente	Ingreso
	1993	14.994.118,00 $	Dir.Estad.	25/03/97
	1994	16.065.933,00 $	Dir.Estad.	25/03/97
	1995	13.994.219,00 $	Dir.Estad.	25/03/97

Tema 010101010201
TASA SEGURIDAD E HIGIENE DEL E

	Año	Valor Actualizado	Fuente	Ingreso
	1993	10.994.916,00 $	Dir.Estad.	25/03/97

Tema 010101010202
TASA SEGURIDAD E HIGIENE EJ.AN

	1993	3.999.202,00 $	Dir.Estad.	25/03/97

Tema 0101010103
TASA DE INSPECCION VETERINARIA

	1993	448.361,00 $	Dir.Estad.	25/03/97
	1994	550.614,00 $	Dir.Estad.	25/03/97
	1995	667.849,00 $	Dir.Estad.	25/03/97

Tema 0101010104
DERECHOS DE OFICINA

	1993	1.281.717,00 $	Dir.Estad.	25/03/97
	1994	1.519.205,00 $	Dir.Estad.	25/03/97
	1995	810.397,00 $	Dir.Estad.	25/03/97

Tema 0101010105
DERECHOS DE CONSTRUCCION

	1993	1.736.480,00 $	Dir.Estad.	25/03/97
	1994	1.353.319,00 $	Dir.Estad.	25/03/97
	1995	528.751,00 $	Dir.Estad.	25/03/97

	Año	Valor Actualizado	Fuente	Ingreso
Tema 0101010106				
MARCAS Y SEÑAS				
	1993	5,00 $	Dir.Estad.	25/03/97
	1994	8,00 $	Dir.Estad.	25/03/97
	1995	0,00 $	Dir.Estad.	25/03/97
Tema 0101010107				
RED VIAL				
	1993	0,00 $	Dir.Estad.	25/03/97
	1994	0,00 $	Dir.Estad.	25/03/97
	1995	0,00 $	Dir.Estad.	25/03/97
Tema 010101010701				
RED VIAL DEL EJERCICIO				
	1993	0,00 $	Dir.Estad.	25/03/97
	1994	0,00 $	Dir.Estad.	25/03/97
	1995	0,00 $	Dir.Estad.	25/03/97
Tema 010101010702				
RED VIAL EJERCICIOS ANTERIOR.				
	1993	0,00 $	Dir.Estad.	25/03/97
	1994	0,00 $	Dir.Estad.	25/03/97
	1995	0,00 $	Dir.Estad.	25/03/97

	Año	Valor Actualizado	Fuente	Ingreso
Tema 0101010108				
DERECHOS DE CEMENTERIO				
	1993	1.441.361,00 $	Dir.Estad.	25/03/97
	1994	1.435.703,00 $	Dir.Estad.	25/03/97
	1995	1.582.902,00 $	Dir.Estad.	25/03/97
Tema 0101010109				
SERVICIOS ASISTENCIALES				
	1993	0,00 $	Dir.Estad.	25/03/97
	1994	0,00 $	Dir.Estad.	25/03/97
	1995	0,00 $	Dir.Estad.	25/03/97
Tema 0101010110				
CONTRIBUCION DE MEJORAS				
	1993	2.372.240,00 $	Dir.Estad.	25/03/97
	1994	2.765.580,00 $	Dir.Estad.	25/03/97
	1995	2.423.488,00 $	Dir.Estad.	25/03/97
Tema 0101010111				
SERVICIOS SANITARIOS				
	1993	0,00 $	Dir.Estad.	25/03/97
	1994	0,00 $	Dir.Estad.	25/03/97

	Año	Valor Actualizado	Fuente	Ingreso
	1995	0,00 $	Dir.Estad.	25/03/97

Tema   010101011101
     SERVICIOS SANITARIOS DEL EJERC

	1993	0,00 $	Dir.Estad.	25/03/97

Tema   010101011102
     SERVICIOS SANITARIOS EJERC.ANT

	1993	0,00 $	Dir.Estad.	25/03/97

Tema   0101010112
     RESTO DE TRIBUTOS

	1993	2.658.095,00 $	Dir.Estad.	25/03/97
	1994	2.837.688,00 $	Dir.Estad.	25/03/97
	1995	3.569.416,00 $	Dir.Estad.	25/03/97

Tema   01010102
     OTROS INGRESOS DE JURISDICCION MUN

	1993	6.852.703,00 $	Dir.Estad.	25/03/97
	1994	5.948.367,00 $	Dir.Estad.	25/03/97
	1995	2.435.458,00 $	Dir.Estad.	25/03/97

Tema   010102
     INGRESOS DE OTRAS JURISDICCIONES

	1993	21.095.880,00 $	Dir.Estad.	25/03/97
	1994	16.997.858,00 $	Dir.Estad.	25/03/97

	Año	Valor Actualizado	Fuente	Ingreso
	1995	19.745.704,00 $	Dir.Estad.	25/03/97

Tema 01010201
COPARTICIPACION

	Año	Valor Actualizado	Fuente	Ingreso
	1993	18.648.103,00 $	Dir.Estad.	25/03/97
	1994	4.444.361,00 $	Dir.Estad.	25/03/97
	1995	19.068.605,00 $	Dir.Estad.	25/03/97

Tema 01010202
APORTES NO REINTEGRABLES

	Año	Valor Actualizado	Fuente	Ingreso
	1993	1.577.614,00 $	Dir.Estad.	25/03/97
	1994	7.401.452,00 $	Dir.Estad.	25/03/97
	1995	165.165,00 $	Dir.Estad.	25/03/97

Tema 01010203
OTROS INGRESOS DE OTRA JURISDCCION

	Año	Valor Actualizado	Fuente	Ingreso
	1993	870.163,00 $	Dir.Estad.	25/03/97
	1994	5.152.045,00 $	Dir.Estad.	25/03/97
	1995	511.934,00 $	Dir.Estad.	25/03/97