

DSIO 1.0 (SPRINT 7 BUILD 2)

March 12, 2014

Location of Version Notes and KID

<\\imagnetest\Product Versions\DSIO\KIDS\Version 1.0\Sprint 7 SBUILDS\>

Version Notes

[DSIO_1_SPRINT7_BUILD2_VN.doc](#)

Package Notes

[DSIO_oCNTs.pdf](#)

Installation		
Required	1.	DSIO_1_T2.KID
	2.	DSIO Sprint 3 Builds
	3.	DSIO Sprint 4 Builds
	4.	DSIO Sprint 5 Builds
	5.	DSIO Sprint 6 Builds
	6.	DSIO_1_S7_B1.KID
KIDS Filename	DSIO_1_S7_B2.KID	
GUI	oCNTFramework.bpl (Package)	V0.0.2.0
	ToForm (Component)	V0.0.2.0
	uExtndComBroker (unit)	V0.0.2.0
	CPRSNoteCOM.dll (COMObject)	V0.0.5.2
	oCNTDialogs.dll (oCNT Extension)	V0.0.1.0
	oCNTFrame.dll (oCNT Test Rig)	V0.0.1.0
Installation: Normal KIDS install through Kernel Installation & Distribution System		

[Description of Changes and Enhancements](#)

Functionality **Vista M enhancements for Maternity Care**
Customer VA
Category Innovation

S#	Date	Notes
2	03/12/2014	• DSIO_1_S7_B2.KID
For initial oCNT release please see Page 3 of these version notes and DSIO_oCNTs.pdf .		

Components:

Type: SINGLE PACKAGE	National Package: NO
----------------------	----------------------

File #	File Name	Update DD	Send Sec. Code	Data Comes w/ file	Site Date	RSLVPTRS	User Override
19641.4	DSIO NOTE CONTROL	YES	YES	YES	REPL	NO	NO
19641.41	DSIO NOTE DATA	YES	YES	NO			
19641.43	DSIO NOTE S	YES	YES	NO			
19641.44	DSIO NOTE M	YES	YES	NO		NO	NO
19641.45	DSIO NOTE WP	YES	YES	NO			
19641.48	DSIO CNT CONFIGURAITON	YES	YES	YES	REPL	NO	NO
19641.49	DSIO CNT DIALOGS	YES	YES	YES	REPL	NO	NO

ROUTINE:

DSIO0
DSIO3

ACTION:

SEND TO SITE
SEND TO SITE

OPTION:

DSIO CNT CONTEXT

ACTION:

SEND TO SITE

PARAMETER DEFINITION:

DSIO CNT DIALOG DLL LOC
DSIO OCNT TAB TYPE

ACTION:

SEND TO SITE
SEND TO SITE

REMOTE PROCEDURE:

DSIO CNT DIALOGS
DSIO CNT RESTORE
DSIO CNT STORE
DSIO CREATE DIALOG
DSIO GET PARAMETER VALUE

ACTION:

SEND TO SITE
SEND TO SITE
SEND TO SITE
SEND TO SITE
SEND TO SITE

NAME: DSIO CNT CONTEXT

TYPE: Broker (Client/Server)

RPC: DSIO GET PARAMETER VALUE

RPC: DSIO CNT STORE

RPC: DSIO CNT DIALOGS

RPC: DSIO CREATE DIALOG

RPC: DSIC DDR GETS ENTRY DATA

RPC: DSIC DDR FINDER

RPC: ORWPCE LEXCODE

RPC: ORQQPL PROBLEM LEX SEARCH

RPC: DSIO CNT RESTORE

UPPERCASE MENU TEXT: DSIO CNT GUI CONTEXT

MENU TEXT: DSIO CNT GUI Context

CREATOR: FONTANA,THEO F

oCNT Functionality:

Components - VistA:

- MENU CONTEXT
 - 1 DSIO CNT CONTEXT
- RPCs
 - 1 DSIO CNT DIALOGS
 - 2 DSIO CNT RESTORE
 - 3 DSIO CNT STORE
 - 4 DSIO CREATE DIALOG
 - 5 DSIO GET PARAMETER VALUE
- PARAMETERS
 - 1 DSIO CNT DIALOG DLL LOC Location of oCNTDialogs.dll.
 - 2 DSIO OCNT TAB TYPE User Tab Type
- FILES
 - 1 DSIO CNT CONFIGURATION
 - 2 DSIO CNT DIALOGS
 - 3 DDCS (DISCREET DATA CONTROL AND STORAGE)

Components - GUI:

- Delphi Package (v0.0.2.0)
 - 1 oCNTFramework.bpl (set as runtime package for oCNT project)
- Delphi Components (v0.0.2.0)
 - 1 ToForm
 - 2 uExtndComBroker (unit)
- COMObject (v0.0.5.2)
 - 1 CPRSNoteCOM.dll
- oCNT Extension (v0.0.1.0)
 - 1 oCNTDialogs.dll
- oCNT Test Rig (v0.0.1.0)
 - 1 oCNTFrame.dll

Features - Possible testing elements:

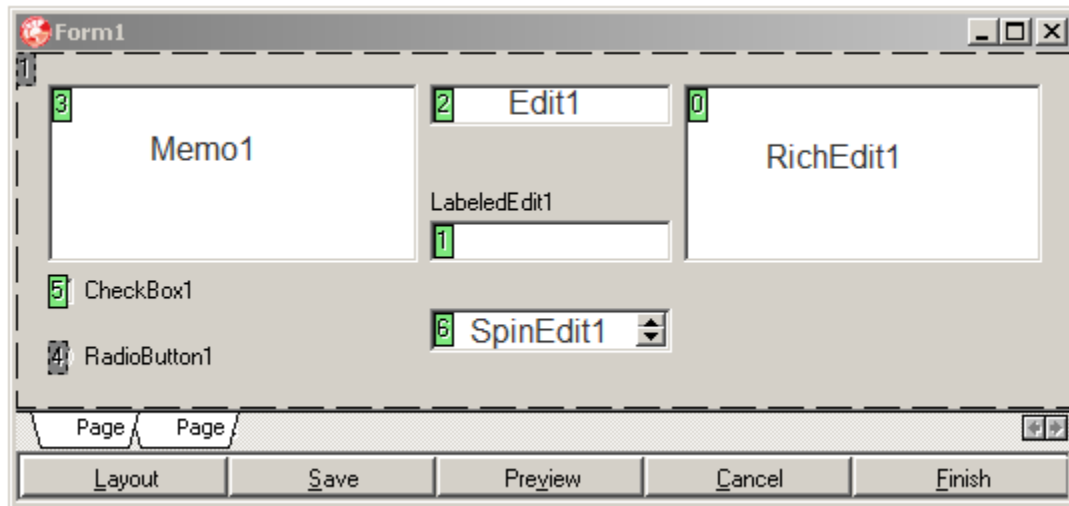
- 1 Broker History recorded in CPRS Broker History
- 2 Only one oCNT can be active from any one CPRS session at any given time.
- 3 The user is still able to access CPRS when an oCNT is active.
- 4 Layout Parameter value is stored as the user changes any oCNT layout
- 5 Hitting Save will save each data element discreetly within the VistA DDCCS control files
 1. If the Note Title is in DSIO NOTE CONTROL (19641.4) it will allow discreet data saving - this should be true for all oCNTs
 2. The discreet data is saved to DSIO NOTE DATA (19641.41) under the note IEN
 3. The actual data is saved in three files depending on their type
 - a. DSIO NOTE S (19641.43) Single Value
 - b. DSIO NOTE M (19641.44) Multiple Values
 - c. DSIO NOTE WP (19641.45) Word Processing
 4. Create a Menu Option (utility) to view this data from VistA?
- 6 Inform the user that saving was successful or not (Incomplete)

- 7 When an oCNT is activated from an already existing note IEN it will check to see if that Note IEN has any discreet data saved and if so it will restore the values to the components.
- 8 Currently storing the whole note does not occur unless submitted to CPRS where TIU handles the note. In cases where the note is not accepted but discreet data saving occurred then the components are restored with their values and normal note generation can then happen. Thus, storing the whole note secondary to that of TIU is not necessary.
- 9 Convert dialogs and record in VistA within the DSIO CNT DIALOG file
 1. udlgOBSpread (Incomplete)
 2. Restore the Dialogs (Incomplete)
 3. All dialogs are built into the oCNTDialogs.dll and accessible by all oCNTs and can be added through VistA as long as a TListBox and TMemor/TEdit control is present and linked (Possible additional configuration down the road)
 4. The location of oCNTDialogs.dll must be recorded in the Parameter DSIO CNT DIALOG DLL LOC with the name of the dll included.
 5. This dll can be reloaded by any active oCNT through the right click option "Load Dialog DLL"
- 10 Right Click Menu Options
 1. Load Dialog DLL
 2. Lock VISTA Application
 - a. Minimize the oCNT and CPRS and display a login box
 - b. The oCNT and CPRS cannot be viewed until the user who locked the applications signs back in
 3. About
 - a. Display the about box of the oCNT DLL
- 11 Note
 1. Preview
 2. Accept (Incomplete)
 3. Note form with included elements: (Incomplete)
 - a. Header
 - b. Body
 - c. Discreet Data
 - d. Health Factors

Possible Features not already listed:

- 1 User side "Edit Configuration" to assist in identifying components
 - Toggle to display the names of controls
- 2 Allow the ReportCollection Items to be edited at runtime
- 3 Allow the Report Order to be edited at runtime

oCNT Test Rig at DesignTime:



Form1

3 Memo1

2 Edit1

0 RichEdit1

LabeledEdit1

1

5 CheckBox1

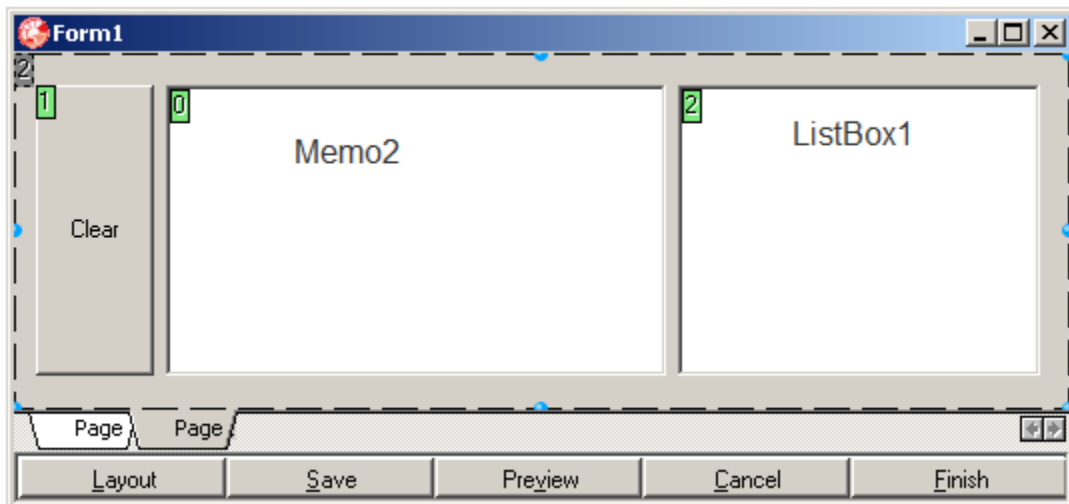
4 RadioButton1

6 SpinEdit1

Page Page

Layout Save Preview Cancel Finish

This screenshot shows the first design-time view of a form titled 'Form1'. The form contains several controls: a large text area labeled 'Memo1' (tab index 3), a text box labeled 'Edit1' (tab index 2), a rich text editor labeled 'RichEdit1' (tab index 0), a text box labeled 'LabeledEdit1' (tab index 1), a checkbox labeled 'CheckBox1' (tab index 5), a radio button labeled 'RadioButton1' (tab index 4), and a spin box labeled 'SpinEdit1' (tab index 6). The form has a standard Windows-style title bar with minimize, maximize, and close buttons. Below the form, there are two 'Page' tabs and a row of five buttons: 'Layout', 'Save', 'Preview', 'Cancel', and 'Finish'.



Form1

1 Clear

0 Memo2

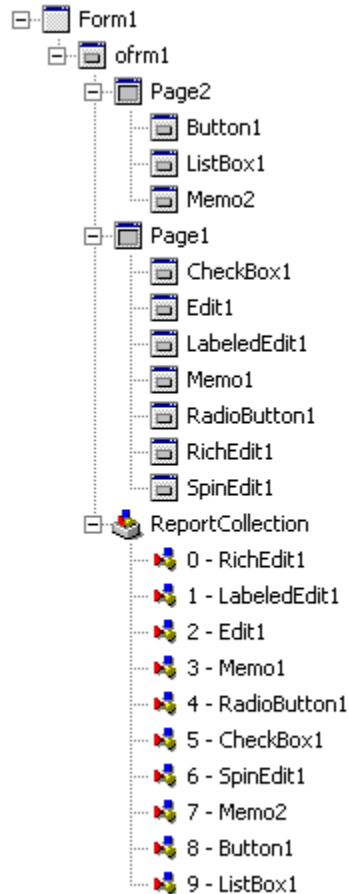
2 ListBox1

Page Page

Layout Save Preview Cancel Finish

This screenshot shows the second design-time view of the same form titled 'Form1'. The layout has changed: a button labeled 'Clear' (tab index 1) is now on the left, a large text area labeled 'Memo2' (tab index 0) is in the center, and a list box labeled 'ListBox1' (tab index 2) is on the right. The form still has the same title bar and bottom navigation controls (two 'Page' tabs and buttons for 'Layout', 'Save', 'Preview', 'Cancel', and 'Finish').

oCNT Test Rig Structure and ReportCollection:



ofrm1.ReportCollection[0] TNoteItem	
Properties	Events
>> AfterValue	
BeforeValue	
DialogReturn	
DoNotSave	<input type="checkbox"/> False
HideFromNote	<input type="checkbox"/> False
OwningObject	RichEdit1
PopulatefromVistA	<input type="checkbox"/> False
Title	
VistALabel	Rich

ofrm1.ReportCollection[1] TNoteItem	
Properties	Events
> AfterValue	
BeforeValue	
DialogReturn	
DoNotSave	<input type="checkbox"/> False
HideFromNote	<input type="checkbox"/> False
OwningObject	LabeledEdit1
PopulatefromVistA	<input type="checkbox"/> False
Title	
VistALabel	lbEdit

ofrm1.ReportCollection[2] TNoteItem	
Properties	Events
AfterValue	lbs
BeforeValue	Patient Weight:
>> DialogReturn	
DoNotSave	<input type="checkbox"/> False
HideFromNote	<input type="checkbox"/> False
OwningObject	Edit1
PopulatefromVistA	<input type="checkbox"/> False
Title	
VistALabel	edit1

ofrm1.ReportCollection[3] TNoteItem	
Properties	Events
AfterValue	
BeforeValue	
DialogReturn	
DoNotSave	<input type="checkbox"/> False
HideFromNote	<input type="checkbox"/> False
OwningObject	Memo1
PopulatefromVistA	<input type="checkbox"/> False
>> Title	Comment:
VistALabel	memo1

ofrm1.ReportCollection[4] TNoteItem

Properties	Events
AfterValue	
BeforeValue	
DialogReturn	
DoNotSave	<input type="checkbox"/> False
HideFromNote	<input type="checkbox"/> False
⊞ OwningObject	RadioButton1
PopulatefromVistA	<input type="checkbox"/> False
» Title	
VistALabel	Radio

ofrm1.ReportCollection[5] TNoteItem

Properties	Events
AfterValue	
BeforeValue	
DialogReturn	
DoNotSave	<input type="checkbox"/> False
HideFromNote	<input type="checkbox"/> False
⊞ OwningObject	CheckBox1
PopulatefromVistA	<input type="checkbox"/> False
» Title	
VistALabel	check

ofrm1.ReportCollection[6] TNoteItem

Properties	Events
AfterValue	
BeforeValue	
DialogReturn	
DoNotSave	<input type="checkbox"/> False
HideFromNote	<input type="checkbox"/> False
⊞ OwningObject	SpinEdit1
PopulatefromVistA	<input type="checkbox"/> False
» Title	
VistALabel	spin

ofrm1.ReportCollection[7] TNoteItem

Properties	Events
AfterValue	
BeforeValue	
DialogReturn	
DoNotSave	<input type="checkbox"/> False
HideFromNote	<input type="checkbox"/> False
⊞ OwningObject	Memo2
PopulatefromVistA	<input type="checkbox"/> False
» Title	Dialog Return:
VistALabel	another memo

ofrm1.ReportCollection[8] TNoteItem

Properties	Events
AfterValue	
BeforeValue	
DialogReturn	
DoNotSave	<input type="checkbox"/> False
HideFromNote	<input type="checkbox"/> False
⊞ OwningObject	Button1
PopulatefromVistA	<input type="checkbox"/> False
» Title	
VistALabel	

ofrm1.ReportCollection[9] TNoteItem

Properties	Events
AfterValue	
BeforeValue	
⊞ DialogReturn	Memo2
DoNotSave	<input type="checkbox"/> False
HideFromNote	<input type="checkbox"/> False
⊞ OwningObject	ListBox1
PopulatefromVistA	<input checked="" type="checkbox"/> True
» Title	
VistALabel	listbox