DSIO 1.0 (SPRINT 7 BUILD 5)

March 21, 2014

Location of Version Notes and KID
\\imagetest\Product Versions\DSIO\KIDS\Version 1.0\Sprint 7 SBuilds\

Version Notes
DSIO_1_SPRINT7_BUILD5_VN.doc

Package Notes
DSIO_oCNTs.pdf

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 Sprint 7 Builds

KIDS Filename	**DSIO_1_S7_B5.KID**

GUI	oCNTFramework.bpl (Package)	V0.0.2.1
	ToForm (Component)	V0.0.2.1
	uExtndComBroker (unit)	V0.0.2.1
	CPRSNoteCOM.dll (COMObject)	V0.0.5.3
	oCNTDialogs.dll (oCNT Extension)	V0.0.1.1
	oCNTFrame.dll (oCNT Test Rig)	V0.0.1.1

Installation:
Normal KIDS install through Kernel Installation & Distribution System

For GUI Installation please refer to: DSIO_oCNTs.pdf

Additional Instruction

Additional to documents already mentioned the first Release of oCNT was
DSIO_1_SPRINT7_BUILD2_VN.pdf

Description of Changes and Enhancements

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

S#	Date	Notes
5	03/21/2014	• DSIO_1_S7_B5.KID

CORE:

New RPC: DSIO IHE PATIENT LIST
-   Input Parameters DFN and SORT (sort is the same setup as other RPCs that can return a partial list)
-   Return: The zero node will be a -1 for error or no entries or the total number of entries while all other nodes will be a caret delimited list.

```
VAH>D LIST^DSIO3A(.RET,8,"1,2") ZW @RET
^TMP(12576,"DSIOIHEL",0)=3
^TMP(12576,"DSIOIHEL",1)="1^12345678912345678912345678 9123456789^AYS,SHTS^SEP 23
, 2004@10:53:25^SEP 23, 2004@10:53:25^APHP^IN^THIS IS A TEST^VA^OUTSIDE CLINIC"
^TMP(12576,"DSIOIHEL",2)="2^12345678912345678912345678 9123456799^AYS,SHTS^SEP 23
, 2004@10:53:25^SEP 23, 2004@10:53:25^APHP^IN^THIS IS A TEST^VA^OUTSIDE CLINIC"
```

IEN ^ GUID ^ PATIENT ^ DATE OF CREATION ^ DATE OF IMPORT/EXPORT ^ DOCUMENT TYPE ^ DIRECTION (IN/OUT) ^ DOCUMENT TITLE ^ SENDING FACILITY/PROVIDER ^ INTENDED RECIPIENT

New RPC: DSIO IHE GET DOC
-   Input Parameters IEN (the IEN of the DSIO IHE DOCUMENT entry (can be returned from DSIO IHE PATIENT LIST) and XML (XML is optional)
-   Return: If XML is not passed or not passed as a 1 then the return is intended to be IHE entry minus the DOCUMENT CONTENT – this is returned as a list label^value:

```
VAH>K RET D DOC^DSIO3A(.RET,1) ZW @RET
^TMP(12576,"DSIOIHED",0)="GUID^12345678912345678912345678 9123456789"
^TMP(12576,"DSIOIHED",1)="PATIENT^AYS,SHTS^8"
^TMP(12576,"DSIOIHED",2)="DT CREATION^SEP 23, 2004@10:53:25"
^TMP(12576,"DSIOIHED",3)="DT IMPORT/EXPORT^SEP 23, 2004@10:53:25"
^TMP(12576,"DSIOIHED",4)="DOCUMENT TYPE^APHP"
^TMP(12576,"DSIOIHED",5)="DIRECTION^IN"
^TMP(12576,"DSIOIHED",6)="DOCUMENT TITLE^THIS IS A TEST"
^TMP(12576,"DSIOIHED",7)="SENDING FACILITY/PROVIDER^VA"
^TMP(12576,"DSIOIHED",8)="INTENDED RECIPIENT^OUTSIDE CLINIC"
```

-   If XML is ONE then the just the document content for that IEN is passed.

RPCs Registered to the DSIO GUI CONTEXT:
-   VPR DATA VERSION
-   VPR GET PATIENT DATA
-   DSIO IHE PATIENT LIST
-   DSIO IHE GET DOC

oCNT:

- ReportOrder now only reorders items with the ok button
- License information added to source
- udlgOBSpread converted
- Removed the DSIO CREATE DIALOG RPC and added the functionality to
  DSIO CNT DIALOGS
- Corrected the entries in DSIO CNT DIALOGS
- Added support to Comboboxes in DSIO CNT CONFIGURATION
- Removed the DSIO CNT DIALOGS RPC and created DSIO CNT POPULATE to handle
  any control needing to be populated from VistA
  - Currently supports TListBox and TComboBox
- Controls populated from VistA with startup values
  - Supported: TListBox (Dialogs), TComboboxes
- Added support for save, restore, and note generation to TComboBox,TListBox
- ReportCollection Items can no longer have their OwningObject changed
- Cleanedup extra spaces in note
- Initial Configuration Data added to note so every extended item can hold
  data brought in from VistA for inital display (this is not restore or user
  entered data - this is more on the lines of options in lists that the user
  would select)
- NoteItem Dialog Return can now only be set as a TMemo or TRichEdit
- A message now displays if there is any values from VistA used to restore the
  CNT. The user must click "Yes" to retore this values.
- Dialogs can now save discreet data
  - The user will get a message if values of the dialog exists and to click
    "Yes" in order to restore them.
- Added TJvStringGrid to supported Save and Restore Components
- Updated the DSIO CNT CONFIGURATION file to store multi and single valued
  controls
  - The creation of the CNT populates these controls with the values
  - VistA should always have the control name as uppercase - for lookup puposes
- Activated the CPRS TimeOut Timer
- Added an AutoSave Timer
- Updated the DSIO CNT DIALOGS file to act as a configuration file
- Created the RPC: DSIO CNT DIALOG POPULATE that mimics the DSIO CNT POPULATE
- Removed the Populate from VistA property from ReportCollectionItems and
  extended the ability to all components on the oCNT form
- Some dialogs use other dialogs and in this case they won't have their IEN set
  so a RPC (DSIO CNT DIALOG LOOKUP) was created and added to the DSIO CNT CONTEXT
- Dialogs (Show and ShowModal) both will populate a Dialog from VistA
- Corrected Discreet Data TCheckBox and TRadioButton - unchecking is now treated
  as a value so a change from Checked to unChecked will now restore correctly
- VistA configurable control fields have been transformed to uppercase to ensure
  proper lookup
- Only control with data not matching VistA configuration data will be collected
  to save discreetly
- The Discreet Data file system will not recognize Job IDs and will overwrite existing
  entries of the same job rather than creating new ones
- Auto save has been disabled - it was causing some problems - a solution possible for future use

oCNT ToDo:

Priority:
- Dialogs:
  - o udlgGenetic2 gathers info from VistA (Incomplete)
    - ▪ This needs to be for any control on a dialog or oCNT that during VistASetUp if it needs "live data" the configuration file will point to a function that will get that data and return it within the RPC to populate the control
    - ▪ udlgGenetic2 is the only dialog of the initial conversion that requires this access
  - o OBSpread Drug Columns and population from VistA

- Note:
  - o Accept (Incomplete)
  - o Note form with included elements: (Incomplete)
  - o Header, Body, Discreet Data, Health Factors

Minor:
- Inform the user that saving was successful or not (Incomplete)

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
19641.6	DSIO IHE DOCUMENT	YES	YES	NO			
19641.61	DSIO IHE DOCUMENT TYPE	YES	YES	YES	REPL	NO	NO

ROUTINE: **ACTION:**
  DSIO0   SEND TO SITE
  DSIO1   SEND TO SITE
  DSIO2   SEND TO SITE
  DSIO3   SEND TO SITE
  DSIO3A   SEND TO SITE

OPTION: **ACTION:**
  DSIO CNT CONTEXT   SEND TO SITE
  DSIO GUI CONTEXT   SEND TO SITE

PARAMETER DEFINITION: **ACTION:**
  DSIO CNT DIALOG DLL LOC   SEND TO SITE
  DSIO OCNT TAB TYPE   SEND TO SITE

REMOTE PROCEDURE: **ACTION:**
  DSIO CNT DIALOG LOOKUP   SEND TO SITE
  DSIO CNT DIALOG POPULATE   SEND TO SITE
  DSIO CNT POPULATE   SEND TO SITE
  DSIO CNT RESTORE   SEND TO SITE
  DSIO CNT STORE   SEND TO SITE
  DSIO GET PARAMETER VALUE   SEND TO SITE
  DSIO IHE GET DOC   SEND TO SITE
  DSIO IHE PATIENT LIST   SEND TO SITE
  DSIO IHE SAVE   SEND TO SITE

NAME: DSIO GUI CONTEXT   MENU TEXT: MCC DASHBOARD RPCS
  TYPE: Broker (Client/Server)   CREATOR: FONTANA,THEO F
RPC: DSIO CREATE TRACKING LOG

RPC: DSIO FEMALE PATIENT FIND
RPC: DSIO FEMALE PATIENT SEARCH
RPC: DSIO GET TRACKING
RPC: DSIO SELECT LIST
RPC: ORWU HASKEY
RPC: DG SENSITIVE RECORD ACCESS
RPC: DG SENSITIVE RECORD BULLETIN
RPC: TIU DOCUMENTS BY CONTEXT
RPC: ORWPT SELECT
RPC: ORWU USERINFO
RPC: DSIO NEXT CONTACT DATE
RPC: DSIO SAVE NON VA ENTITY
RPC: DSIO RETURN ENTITY
RPC: DSIO CREATE A NOTE
RPC: DSIO UPDATE A NOTE
RPC: DSIO MAKE ADDENDUM
RPC: DSIO GET RECORD TEXT
RPC: DSIO DELETE A NOTE
RPC: DSIO SIGN A NOTE
RPC: DSIO NOTES BY DFN AND TITLE
RPC: DSIO GET NOTE ELEMENT
RPC: DSIO IS IT CONTROLLED?
RPC: DSIO SET NOTE DATA
RPC: XUS CVC
RPC: TIU GET RECORD TEXT
RPC: TIU AUTHORIZATION
RPC: DSIO IHE SAVE
RPC: VPR DATA VERSION
RPC: VPR GET PATIENT DATA
RPC: DSIO IHE PATIENT LIST
RPC: DSIO IHE GET DOC
  UPPERCASE MENU TEXT: MCC DASHBOARD RPCS

NAME: <u>DSIO CNT CONTEXT</u>   MENU TEXT: DSIO CNT GUI Context
  TYPE: Broker (Client/Server)   CREATOR: FONTANA,THEO F
RPC: DSIO GET PARAMETER VALUE
RPC: DSIO CNT STORE
RPC: DSIO CNT DIALOGS
RPC: DSIC DDR GETS ENTRY DATA
RPC: DSIC DDR FINDER
RPC: ORWPCE LEXCODE
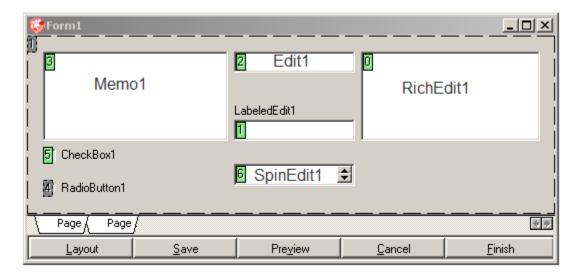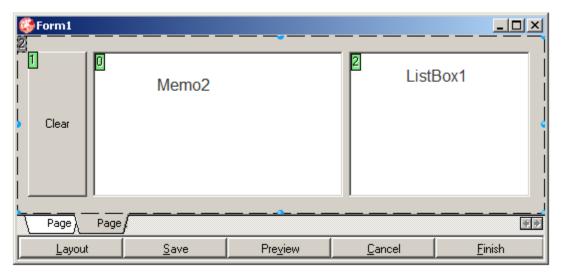RPC: ORQQPL PROBLEM LEX SEARCH
RPC: DSIO CNT RESTORE
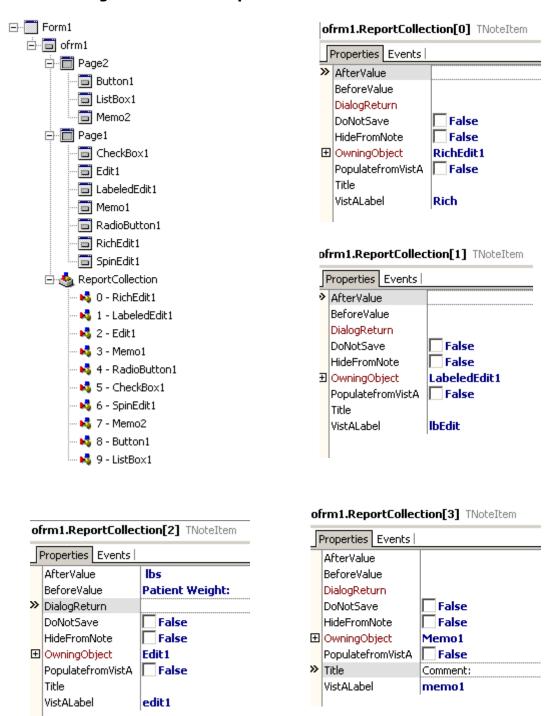RPC: DSIO CNT DIALOG POPULATE
RPC: DSIO CNT DIALOG LOOKUP
  UPPERCASE MENU TEXT: DSIO CNT GUI CONTEXT

oCNT Test Rig at DesignTime:

oCNT Test Rig Structure and ReportCollection:

Form1
- ofrm1
  - Page2
    - Button1
    - ListBox1
    - Memo2
  - Page1
    - CheckBox1
    - Edit1
    - LabeledEdit1
    - Memo1
    - RadioButton1
    - RichEdit1
    - SpinEdit1
  - ReportCollection
    - 0 - RichEdit1
    - 1 - LabeledEdit1
    - 2 - Edit1
    - 3 - Memo1
    - 4 - RadioButton1
    - 5 - CheckBox1
    - 6 - SpinEdit1
    - 7 - Memo2
    - 8 - Button1
    - 9 - ListBox1

ofrm1.ReportCollection[0] TNoteItem

Properties | Events

Property	Value
» AfterValue	
BeforeValue	
DialogReturn	
DoNotSave	False
HideFromNote	False
⊞ OwningObject	RichEdit1
PopulatefromVistA	False
Title	
VistALabel	Rich

ofrm1.ReportCollection[1] TNoteItem

Properties | Events

Property	Value
› AfterValue	
BeforeValue	
DialogReturn	
DoNotSave	False
HideFromNote	False
⊞ OwningObject	LabeledEdit1
PopulatefromVistA	False
Title	
VistALabel	lbEdit

ofrm1.ReportCollection[2] TNoteItem

Properties | Events

Property	Value
AfterValue	lbs
BeforeValue	Patient Weight:
» DialogReturn	
DoNotSave	False
HideFromNote	False
⊞ OwningObject	Edit1
PopulatefromVistA	False
Title	
VistALabel	edit1

ofrm1.ReportCollection[3] TNoteItem

Properties | Events

Property	Value
AfterValue	
BeforeValue	
DialogReturn	
DoNotSave	False
HideFromNote	False
⊞ OwningObject	Memo1
PopulatefromVistA	False
» Title	Comment:
VistALabel	memo1

ofrm1.ReportCollection[4] TNoteItem

Properties	Events
AfterValue	
BeforeValue	
DialogReturn	
DoNotSave	☐ False
HideFromNote	☐ False
⊞ OwningObject	RadioButton1
PopulatefromVistA	☐ False
≫ Title	
VistALabel	Radio

ofrm1.ReportCollection[5] TNoteItem

Properties	Events
AfterValue	
BeforeValue	
DialogReturn	
DoNotSave	☐ False
HideFromNote	☐ False
⊞ OwningObject	CheckBox1
PopulatefromVistA	☐ False
≫ Title	
VistALabel	check

ofrm1.ReportCollection[6] TNoteItem

Properties	Events
AfterValue	
BeforeValue	
DialogReturn	
DoNotSave	☐ False
HideFromNote	☐ False
⊞ OwningObject	SpinEdit1
PopulatefromVistA	☐ False
≫ Title	
VistALabel	spin

ofrm1.ReportCollection[7] TNoteItem

Properties	Events
AfterValue	
BeforeValue	
DialogReturn	
DoNotSave	☐ False
HideFromNote	☐ False
⊞ OwningObject	Memo2
PopulatefromVistA	☐ False
≫ Title	Dialog Return:
VistALabel	another memo

ofrm1.ReportCollection[8] TNoteItem

Properties	Events
AfterValue	
BeforeValue	
DialogReturn	
DoNotSave	☐ False
HideFromNote	☐ False
⊞ OwningObject	Button1
PopulatefromVistA	☐ False
≫ Title	
VistALabel	

ofrm1.ReportCollection[9] TNoteItem

Properties	Events
AfterValue	
BeforeValue	
⊞ DialogReturn	Memo2
DoNotSave	☐ False
HideFromNote	☐ False
⊞ OwningObject	ListBox1
PopulatefromVistA	☑ True
≫ Title	
VistALabel	listbox