

**DSIO\*1.0\*2 (T32)**

March 1, 2016

<b>Required</b>	<b>DSIO 1.0</b>	
	<b>DSIO*1.0*1</b>	
<b>KIDS Filename</b>	<b>DSIO_1_P2_T31.KID</b>	
<b>Associated Files</b>	<b>DSIO_TITLES.zip</b>	
<b>GUI(s)</b>	<b>DDCSFramework.bpl</b>	<b>V1.2.1.0</b>
	<b>DDCSFormBuilder.dll</b>	<b>V1.2.1.0</b>
	<b>DDCSDialogs.dll</b>	<b>V1.2.1.0</b>
	<b>DDCSOBInitialBase.dll</b>	<b>V1.2.1.0</b>
	<b>DDCSNursePostpartumMaternity.dll</b>	<b>V1.2.1.0</b>
	<b>DDCSNursePostpartumDelivery.dll</b>	<b>V1.2.1.0</b>

**Pre-Installation:**

Extract DSIO\_TITLES.zip to your database's default directory. If you don't know you can find the information in the KERNEL SYSTEM PARAMERTS file under record IEN 1 as the PRIMARY HFS DIRECTORY field. During installation you will be prompted with "Enter directory name or path" with it defaulted to your PRIMARY HFS DIRECTORY this is asking where are your TIU DOCUMENT TITLE XML DOCS

**Installation:**

Normal KIDS install through Kernel Installation & Distribution System

**Post Installation:**

\* DDCSFramework.bpl is a Delphi package used for created new DDCS Forms. If you are not a developer and don't plan on creating new DDCS Forms then you don't need this package.

**User Setup:**

Assign the Menu Context DSIO DDCS CONTEXT to users needing access to the DDCS Form Templates (DDCS Forms).

Assign the Menu Context DSIO GUI CONTEXT to users needing access to the MCC Dashboard.

Assign the Menu Context DSIO MAIN to users needing access to the VistA side configuration options.

From the "Systems Manager Menu" option...

- Core Applications ...
- Device Management ...
- FM VA FileMan ...
- Menu Management ...
- Programmer Options ...
- Operations Management ...
- Spool Management ...
- Information Security Officer Menu ...
- Taskman Management ...

User Management ...  
Application Utilities ...  
Capacity Planning ...  
HL7 Main Menu ...  
Manage Mailman ...

Select Systems Manager Menu <TEST ACCOUNT> Option: **USER Management**

Add a New User to the System  
Grant Access by Profile  
Edit an Existing User  
Deactivate a User  
Reactivate a User  
List users  
User Inquiry  
Switch Identities  
File Access Security ...  
Clear Electronic signature code  
Electronic Signature Block Edit  
List Inactive Person Class Users  
Manage User File ...  
OAA Trainee Registration Menu ...  
Person Class Edit  
Reprint Access agreement letter

Select User Management <TEST ACCOUNT> Option: **EDIT an Existing User**

Select NEW PERSON NAME: TF

**Edit an Existing User** Page 1 of 5

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NAME... **FONTANA, THEO F** INITIAL: **TF**  
TITLE: NICK NAME:  
SSN: **800000089** DOB:  
DEGREE: MAIL CODE:  
DISUSER: TERMINATION DATE:  
Termination Reason:

Select SECONDARY MENU OPTIONS  
want to  
want to SECONDARY MENU OPTIONS: **DSIO DDCCS CONTEXT**  
SYNONYM: XXXXXXXXXX

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COMMAND: Press <PF1>H for help **Insert**

Assign the Security Key DSIO DDCCS CONFIG to users needing access to the GUI side configuration form.

From the "Key Management" option...

Allocation of Security Keys  
De-allocation of Security Keys  
Enter/Edit of Security Keys  
All the Keys a User Needs  
Allocate/De-Allocate Exclusive Key(s)

Change user's allocated keys to delegated keys  
Delegate keys  
Keys For a Given Menu Tree  
List users holding a certain key  
Remove delegated keys  
Show the keys of a particular user

Select Key Management <TEST ACCOUNT> Option: allocation of Security Keys

Allocate key: DSIO DDCS CONFIG

Another key:

Holder of key: TF

1 TF FONTANA,THEO F TF  
2 TFK BLDAALUFHXY,SHUHTL AAKLYN NEW YORK TFK 162-1 C  
COMPUTER SPECIALIST  
3 TFV VIPPROVIDER,THREE F TFV PHYSICIAN  
CHOOSE 1-3: 1 FONTANA,THEO F TF

Another holder:

You've selected the following keys:

DSIO DDCS CONFIG

You've selected the following holders:

FONTANA,THEO F

You are allocating keys. Do you wish to proceed? YES//

DSIO DDCS CONFIG being assigned to:  
FONTANA,THEO F

### **Triggers:**

Set the following parameters to "YES" if the site wishes to flag patients for tracking during dashboard use. What this means, do you want the program to check for patients that should be flagged when before completing a search action in the dashboard – this compensates for not being able to flag patients at real-time. The alternative is to set the options, name the same as these parameters, as scheduled tasks.

### **Create OE/RR ENTRY:**

This file is accessed by CPRS to use COM. There are only two fields required to use DSIO DDCS and that's the NAME and OBJECT GUID fields. The GUID must look EXACTLY as seen below (with braces {}) but the name can be determined by the site.

INPUT TO WHAT FILE: OE/RR COM OBJECTS//  
EDIT WHICH FIELD: ALL//

Select OE/RR COM OBJECTS NAME: DSIO DDCS FORM BUILDER  
NAME: DSIO DDCS FORM BUILDER Replace  
OBJECT GUID: {F4401FE9-4F5C-4633-B409-E7CEC0CE863F}  
Replace

INACTIVE:

PARAM1:

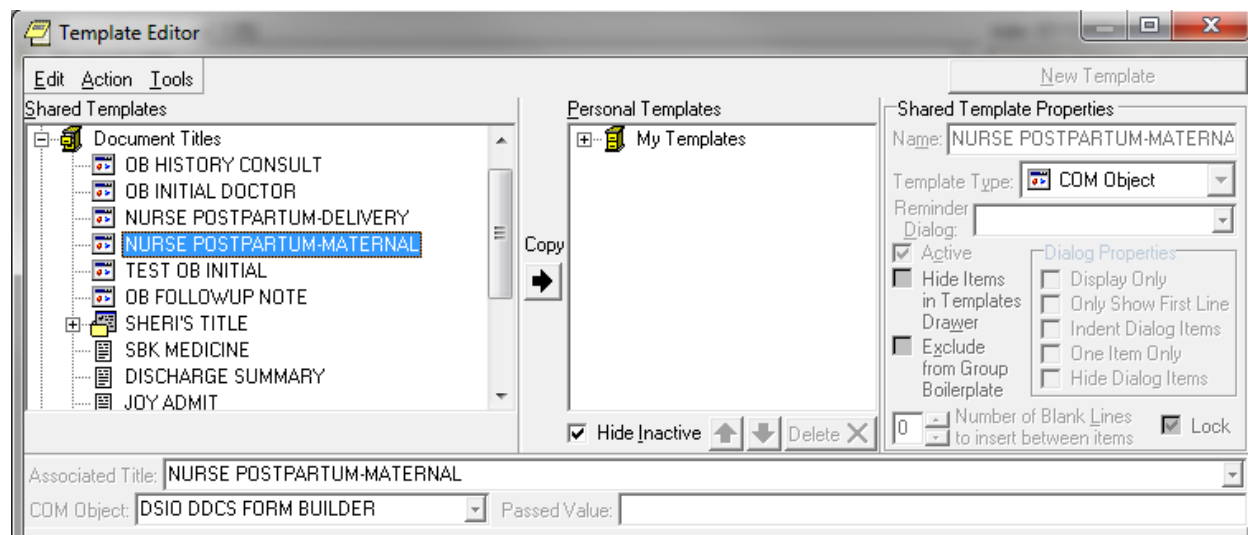
DESCRIPTION:

No existing text  
Edit? NO//

### **Link TIU Titles in CPRS:**

The title must have been edited through the EDIT SHARED TEMPLATE option in CPRS with the title and COM entry.

In CPRS select a patient and navigate to the "Notes" tab and select the "Edit Templates" option under the "Options" menu. Select Document Titles and add a new template. This template must be a "Template Type" of "COM Object" with the "Associated Title" linked to the TIU Note Title you wish to have access this program with the "COM Object" field linked to the DSIO DDCCS COM entry you created in the OE/RR COM Objects file.



For more information check out the documentation in the VA VDL.

<http://www.va.gov/vdl/application.asp?appid=61>

### **Schedule the Task to PUSH Discreet Data:**

You may schedule the option DSIO DDCCS CHECK STATUS to meet your needs. This option will look for captured data in the DSIO DDCCS DATA file and in there are new records that have not been PUSHed it will check the DSIO DDCCS CONTROL file if the TRIGGER event is acceptable and if so it will PUSH the data based on the linked DSIO DDCCS REPORT ITEMS.

In the "Taskman Management" option...

- Schedule/Unschedule Options
- One-time Option Queue
- Taskman Management Utilities ...
- List Tasks
- Dequeue Tasks
- Requeue Tasks
- Delete Tasks
- Print Options that are Scheduled to run
- Cleanup Task List
- Print Options Recommended for Queueing

Select Taskman Management <TEST ACCOUNT> Option: **Schedule/Unschedule Options**

Select OPTION to schedule or reschedule: **DSIO DDCCS CHECK STATUS**      Run DDCCS C  
ontrol Triggers for PUSH

Are you adding 'DSIO DDCCS CHECK STATUS' as  
a new OPTION SCHEDULING (the 143RD)? No// Y (Yes)



Select PARAMETER DEFINITION NAME: ORWCOM ORDER ACCEPTED COM Object on Order Acceptance

ORWCOM ORDER ACCEPTED may be set for the following:

- |   |          |     |                               |
|---|----------|-----|-------------------------------|
| 1 | User     | USR | [choose from NEW PERSON]      |
| 3 | Service  | SRV | [choose from SERVICE/SECTION] |
| 5 | Division | DIV | [choose from INSTITUTION]     |
| 6 | System   | SYS | [SMA.FO-ALBANY.MED.VA.GOV]    |

Enter selection: 6 System SMA.FO-ALBANY.MED.VA.GOV

---- Setting ORWCOM ORDER ACCEPTED for System: SMA.FO-ALBANY.MED.VA.GOV ----

Select Order Display Group: LAB LABORATORY

Order Display Group: LABORATORY// LABORATORY LABORATORY  
COM Object: DSIO DDCCS FORM BUILDER// DSIO DDCCS FORM BUILDER

### Advanced Setup:

This patch transports configuration data so nothing below this line is required at the installation site.

#### **Create CONTROL entries that allow you capture discreet data:**

Create your control entries. You can use FileMan or the DSIO DDCCS CONTROL option to assist you. You will need to know the object you wish to control and the expected destination of the data (the object that data is associated to).

For example, we need to CONTROL the TIU document title OB H&P INITIAL which is IEN 93 (in my database – you would have to check yours) in file 8925.1. So I need to CONTROL 93;TIU(8925.1, where 93 is the IEN and the right of the semi-colon is the global reference. I know that notes are stored in 8925 so I will use this file as my destination file and that entries in this file are directly associated to a patient because the patient pointer is field .02.

Select DSIO DDCCS CONTROL CONTROL OBJECT: 93;TIU(8925.1, TEXT INTEGRATION UTILITIES

CONTROL OBJECT: 93;TIU(8925.1, //

INACTIVE:

DESTINATION FILE: TIU DOCUMENT//

PATIENT ORIENTED: YES//

PATIENT FIELD: .02//

SHARE: LIMITED//

FORM: OB HISTORY NOTE - NURSE//

PATIENT LOOKUP CODE:

TRIGGER LOGIC: I \$\$GET1^DIQ(DDCSFLE,SIEN\_",",.05)="COMPLETED"

Replace

PRE PUSH: N LNK S LNK=\$\$SPG^DSIO3(\$G(DFN),SIEN,\$\$PG^DSIO4(\$G(DFN)))

Replace

POST PUSH:

PACKAGE: TEXT INTEGRATION UTILITIES//

Next we will create our FORM (interface) and link back to our control object we just created.

Now, we need to create our FORM which will inform the GUI how it should be configured. We will be using two files which exist as the newer 19641.42.

First we should create the new form configuration. We can add on overrides to every control within the dll. For the purposes of creating additional interfaces from a single dll you first need to create copies, name them appropriately, and create new entries in this file using those file names. You may then need to create a CONTROL NAME within the configuration of PAGE# where # is one through nine – you can hide the display of these pages by setting HIDE FROM NOTE equal to TRUE.

DSIO DDCCS FORM CONFIGURATION (19641.42) will guide us through creating a form configuration entry.

DSIO DDCCS PARAMETER (#19641.492) allows for additional form settings to be changed.

### Description of Changes and Enhancements

Functionality **Dashboard, VistA, and DDCCS**  
 Customer VA  
 Category Innovation

T#	Date	Notes
32	03/01/2016	GUI Update Only
TA102723 MUMPS/oCNT - Rework S31834: Change the gestational age calculation to use the VA reference - oCNTs [Continued fom S32213]		
31	02/23/2016	DSIO_1_P2_T31.KID
TA102322 MUMPS/oCNT - Rework S31828: Place of Delivery Update [Continued from S32209] TA102724 MUMPS/oCNT - Rework S29924: DB: dashboard page - Followup - Deliveries/Outcomes - Testing [Continued from S32211, S31630, S31144, S30555, S30140]  Are the following the same Issue? Still unable to duplicate the EDD as being off by one, please make sure all dlls are updated.  TA102723 MUMPS/oCNT - Rework S31834: Change the gestational age calculation to use the VA reference - oCNTs [Continued fom S32213] TA102043 Dev - rework S29108: oCNT: Shared Observations (oCNT/Dashboard) - Implementation - Part 2 (Remainder of the Observations not yet completed from Part 1) [Continued from S32215, S31635, S31146, S30553, S30136, S29640]		
30	02/18/2016	DSIO_1_P2_T30.KID
TA100843 MUMPS S31828: Place of Delivery <del>Observation</del>  TA101030 Research RPC: DSIO GET PREG HISTORY RANGE S29924: DB: dashboard page - Followup - Deliveries/Outcomes - Testing [Continued from S31630, S31144, S30555, S30140]  TA100887 GUI S31834: Change the gestational age calculation to use the VA reference - oCNTs  TA100201 Dev - Rework S29108: oCNT: Shared Observations (oCNT/Dashboard) - Implementation - Part 2 (Remainder of the Observations not yet completed from Part 1) [Continued from S31635, S31146, S30553, S30136, S29640]		
29	02/12/2016	DSIO_1_P2_T29.KID
TA100843 MUMPS S31828: Place of Delivery Observation <ul style="list-style-type: none"> <li>There isn't a Place of Delivery observation; however, the Nurse Postpartum Delivery oCNT was updated to set Place of Delivery</li> </ul> TA101030 Research RPC: DSIO GET PREG HISTORY RANGE S29924: DB: dashboard page - Followup -		

Deliveries/Outcomes - Testing [Continued from S31630, S31144, S30555, S30140]		
<ul style="list-style-type: none"> <li>Research findings provided</li> </ul> <p>TA100201 Dev - Rework S29108: oCNT: Shared Observations (oCNT/Dashboard) - Implementation - Part 2 (Remainder of the Observations not yet completed from Part 1) [Continued from S31635, S31146, S30553, S30136, S29640]</p> <ul style="list-style-type: none"> <li>The Birth Weight field no longer accepts decimals and the oCNT routines will not create the observations without the decimal values; however, the oCNT GUI has not been updated to not capture these places.</li> </ul>		
28	01/20/2016	DSIO_1_P2_T28.KID
TA95579 Dev - Enhancement - Observation Configuration, API Create/Edit S29108: oCNT: Shared Observations (oCNT/Dashboard) - Implementation - Part 2 (Remainder of the Observations not yet completed from Part 1) [Continued from S30553, S30136, S29640]		
27	01/15/2016	DSIO_1_P2_T27.KID
<p>TA96419 Dev - rework - Value format not clearly defined. Observations based on code generation not defined. S29108: oCNT: Shared Observations (oCNT/Dashboard) - Implementation - Part 2 (Remainder of the Observations not yet completed from Part 1) [Continued from S30553, S30136, S29640]</p> <ul style="list-style-type: none"> <li>Added the DaysInHospital observation created by the Nurse Postpartum Delivery oCNT.</li> <li>Corrected the Pregnancy History Dialog complication type which is now classified as Outcome which the Pregnancy History file field 3.6 has changed to reflect this. The Nurse Postpartum Delivery Note has had a new dropdown box to capture these values.</li> </ul>		
26	01/14/2016	DSIO_1_P2_T26.KID
<p>Corrections to the value string of the delivery type and outcome observations created by the oCNTs. Some additional changes to the Nurse Postpartum Delivery dialog to support.</p> <p>Know Issues: The pregnancy complication is not restoring for the Pregnancy History dialog.</p>		
25	01/13/2016	DSIO_1_P2_T25.KID
Corrections to the value string of observations created by the oCNTs.		
24	01/05/2016	DSIO_1_P2_T24.KID
<p>TA92845 VistA - Dev S29108: oCNT: Shared Observations (oCNT/Dashboard) - Implementation - Part 2 (Remainder of the Observations not yet completed from Part 1) [Continued from S30136, S29640]</p> <p>TA89470 Dev - Rework DE10037: Assigning an EDD using Est. Conception, Ultrasound, Embryo Transfer and "Enter other criteria" change the pregnancy status to Not Pregnant - Seen in demo [Continued from DE10400, DE10141]</p> <p>Please note that in order to accomplish the above routines were rewritten and functionality added, the Nurse Postpartum form was rebuilt, the Pregnancy History dialog was enhanced, and there were some VistA DD modifications as well as DDCS data configuration changes.</p>		
23	12/09/2015	DSIO_1_P2_T23.KID



TA89230 VistA - Dev S28675: DB: dashboard page [Continued from S28890] TA90159 VistA - Dev S29108: oCNT: Shared Observations (oCNT/Dashboard) - Implementation - Part 2 (Remainder of the Observations not yet completed from Part 1) OB Set – Type of Service radiobuttons change the summary text.		
T22	11/20/2015	DSIO_1_P2_T22.KID
TA88758 Dev - oCNT Update/Create Observations S28703: oCNT: Shared Observations (oCNT/Dashboard) - Implementation - Part 1 TA88593 Dev DE10037: Assigning an EDD using Est. Conception, Ultrasound, Embryo Transfer and "Enter other criteria" change the pregnancy status to Not Pregnant - Seen in demo  The above stories as well as the oCNT summary are related to observations... - See DSIO_OBSERVATIONS.xlsm for a listing of complete observations.		
21.1	11/13/2015	
GUI UPDATE ONLY  TA87904 DEV - Parameter WARNING message to have YES and NO buttons only S28436: oCNT Framework Updates TA87903 DEV - Update the Validation Check for Required Elements S28436: oCNT Framework Updates		
21	11/10/2015	DSIO_1_P2_T21.KID
TA86846 Dev DE9959: Pregnancy History Dialog - The dialog could not create a pregnancy when that pregnancy was both the first record for the patient and that it resulted in a complication.  TA86928 VistA - Dev S10743: DB: Dashboard "Text-4-Baby" sign up – high  The following fields were added to DSIO PATIENT and will be part of RPC: DSIO GET PATIENT INFORMATION, only 4.1, 4.2, 4.3, and 999.22 are editable through RPC: DSIO SET PATIENT INFORMATION.  4.1 T4BSTAT 4.2 T4BDATE 4.3 T4BID 999.16 STREET ADDRESS [LINE 1] (CJ35), [ ; ] 999.17 STREET ADDRESS [LINE 2] (CJ30), [ ; ] 999.18 STREET ADDRESS [LINE 3] (CJ30), [ ; ] 999.19 CITY (CJ15), [ ; ] 999.2 STATE (CJ8), [ ; ] 999.21 ZIP CODE (CJ8), [ ; ] 999.22 EMAIL ADDRESS (CJ50), [ ; ]		
20	11/05/2015	DSIO_1_P2_T20.KID
TA86138 GUI - Delphi/MUMPs S28154: oCNT: history, social, lifestyle updates (waiting on user clarification to assign) - Added "Current Occupation"		

19	11/04/2015	DSIO_1_P2_T19.KID
<p>TA86138 GUI - Delphi/MUMPs S28154: oCNT: history, social, lifestyle updates (waiting on user clarification to assign)</p> <p>TA85138 oCNT - Research - Memory Manager S27912: Research - oCNT Memory Manager - Delphi 2006 Compatibility [Continued S28069]</p> <p>TA86155 GUI/MUMPs S28153: oCNT: Family History modifications (waiting for user clarification to assign)</p> <p>TA86174 GUI/MUMPs S28152: oCNT: Surgical History updates (waiting on confirmation from users before assigning).</p>		
18	10/23/2015	DSIO_1_P2_T18.KID
<p>TA84555 Dev - Rework S27538: Vista: Main Menu Option OPTION: DSIO DELETE PREGNANCY</p> <ul style="list-style-type: none"> <li>- The second question to confirm the desire to delete was overwriting the Y variable which stored the IEN of the pregnancy to be deleted. The IEN is now being saved off so that the confirmation can be asked without losing the IEN.</li> </ul>		
17	10/20/2015	DSIO_1_P2_P17.KID
<p>RPC: DSIO SAVE PREG DETAILS</p> <ul style="list-style-type: none"> <li>- Request to allow the deletion of High Risk Pregnancy details/comments to be deleted when the information is not present</li> <li>- Updated COMMENTS and HRD to behave the same</li> </ul> <p>TA81129 Mumps - build framework S26936: oCNT framework to use Observation framework [Continued from S27346]</p> <ul style="list-style-type: none"> <li>- Updated to create observations when the interface is PUSHed as a whole</li> </ul>		
16	10/20/2015	DSIO_1_P2_P16.KID
<p>The process of getting a patient's high risk details when there was not was causing errors which was correcting by wrapping the note in dollar get.</p> <p>TA81129 Mumps - build framework S26936: oCNT framework to use Observation framework [Continued from S27346]</p> <ul style="list-style-type: none"> <li>- When an oCNT is PUSHed it will create observations if it is set as a push by individual controls rather than by the whole interface. The interface will get the same treatment as it is in progress.</li> </ul>		
15	10/16/2015	DSIO_1_P2_T15.KID
<p>TA83754 GUI DE9749: Full Term/Premature counts need to switch Preterm Delivery Radio Group values</p> <p>TA83749 GUI DE9748: Cancel "Delete" should not change anything for "Total Pregnancies" – 1 *REPORTED (NO DEFECT # ASSIGNED) – Pregnancy History Dialog type number of page to delete, selecting a page that doesn't exist causes an error.</p> <p>TA83644 Vista - Dev S27517: oCNT: Do not populate items in Follow up oCNT</p>		
14	10/15/2015	DSIO_1_P2_T14.KID
<p><b>TA83626 Vista - Dev S22742: DB: High Risk Pregnancy/ Critical Indicator [Continued from S27321]</b></p>		

RPC: DSIO GET PATIENT INFORMATION

- Removed the LIST input parameter – it wasn't being used
- Added High Risk = 999.15^(TRUE,FALSE)^COMMENTS

RPC: DSIO GET TRACKING

- T: ALL CURRENTLY TRACKED PATIENTS
- \*\*\* GET ALL CURRENTLY TRACKED PATIENTS  
P^DFN^LASTNAME,FIRSTNAME^LAST 4^DOB^PHONE^EDD^OB^PLANNED DELV LOC^  
CURRENTLY PREGNANT^CURRENTLY LACATING^LAST CONTACT DATE^  
NEXT CONTACT DATE^NEXT CHECKLIST DATE^HIGH RISK FLAG^HIGH RISK DETAILS

## TA83678 1 S27538: VistA: Main Menu Option

DSIO MAIN

=====	
1 DSIO DDCS MAIN	DDCS MAIN MENU
=====	
1 DSIO DDCS CONTROL	Create CONTROL object to capture
2 DSIO DDCS FORM CONFIGURATION	Configure DDCS forms
3 DSIO DDCS DATA	View Discreet Data
4 DSIO DDCS CHECK STATUS	Run DDCS Control Triggers for PUSH
5 DSIO UPDATE REMINDER ELEMENTS	Update the DSIO REMINDER ELEME
2 DSIO TRACKING EVAL	TRACKING EVALUATION
=====	
1 DSIO EVAL CONSULTS	Consults
2 DSIO EVAL LABS	Labs
3 DSIO EVAL PROBLEMS	Problems
3 DSIO TRIGGER ENTER/EDIT	TRIGGER ENTER/EDIT
=====	
1 DSIO TRIGGER CONSULT	Consults
2 DSIO TRIGGER LAB	Labs
3 DSIO TRIGGER PROBLEMS	Problems
4 DSIO DELETE PREGNANCY	DELETE PREGNANCY

13	10/14/2015	DSIO_1_P2_T13.KID
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TA83287 VistA - Dev S27061: oCNT: Include ADDITIONAL note titles for Import

DASHBOARD CDA INCOMING  
MCC DASHBOARD NOTE  
MCC PROVIDER CONTACT  
MD POSTPARTUM FOLLOWUP VISIT  
NURSE POSTPARTUM NOTE  
OB H&P INITIAL  
PHONE CALL #1 (FIRST CONTACT)  
PHONE CALL #2 (12 WEEKS)  
PHONE CALL #3 (20 WEEKS)  
PHONE CALL #4 (28 WEEKS)

PHONE CALL #5 (36 WEEKS)  
 PHONE CALL #6A (41 WEEKS NOT DELIVERED)  
 PHONE CALL #6B (41 WEEKS DELIVERED) TOPICS  
 PHONE CALL #7 (6 WEEKS POSTPARTUM) TOPICS  
 PHONE CALL - ADDITIONAL

oCNT  
 OB H&P CONSULT  
 OB HISTORY NOTE  
 OB FOLLOWUP NOTE  
 NURSE POSTPARTUM - DELIVERY  
 NURSE POSTPARTUM - MATERNAL

\*\*\* The option will show up at the end of install. Type in the path where the title import docs are stored.

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Set the path where the TIU TITLE import files are located.

Enter directory name or path: C:\HFS\

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12	10/09/2015	DSIO_1_P2_T12.KID
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Unit Testing – found minor bugs - Fixed

- Family History Dialog, selecting state from the drop down using a lower case character saved "florida" instead of "Florida" which resulted in it not being restored
- Baby Comments not being saved from Nurse Postpartum – Delivery
- OB FlowSheet not restoring rate when heart rate was restored to edit for entries 1, 2, or 3

11	10/07/2015	DSIO_1_P2_T11.KID
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TA79224 MUMPS S22742: DB: High Risk Pregnancy/ Critical Indicator  
 TA82339 oCNT DE9379: oCNT: Allow entry of Last PAP Smear date regardless of selection of "Neg" or "Pos"

10	10/02/2015	DSIO_1_P2_T10.KID
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TA79825 VistA - Research S26592: ICD-10 - Problem List – Research

- Applied fix

TA80363 Dev rework S26015: oCNT: Pregnancy History Dialog [Continued from S26785, S26334]

- Fixed the note creation

TA80595 Dev - Rework S26004: V: Save Vitals [Continued from S26783, S26336]

- EDD Observations are only PUSHed if "Is Final"
- The Value for EDD observations is EDD\_DATE[(TRUE,FALSE(YES,NO))(1,0))
- EDD by LMP will update LMP (EDD – 280)
- EDD by ECD will update the pregnancy start (EDD – 266)

TA80401 Dev - rework S26026: V: Add PUSH Configuration [Continued from S26787, S26330]

- EDD by LMP removed and now will be an observation for LMP to update LMP
  - When used by the oCNTs it will be generated by the EDD calculation by LMP and only update if "ISFINAL"

<ul style="list-style-type: none"> <li>○ The observation itself will update EDD and LMP each time due to creation</li> </ul> <p>Configuration</p> <ul style="list-style-type: none"> <li>• Changed Caption names for OB History and OB Consult</li> </ul>		
9	09/29/2015	DSIO_1_P2_T9.KID
<p>TA81125 get TIU alerts S26935: Alerts in Dashboard  TA81126 hide completed alerts S26935: Alerts in Dashboard  TA81147 Make an option for trigger config S10759: V: menu entry option - master table for problem list</p>		
8	09/25/2015	DSIO_1_P2_T8.KID
<ol style="list-style-type: none"> <li>1. Update configuration of oCNTs <ol style="list-style-type: none"> <li>a. OB History Note – Nurse – 1<sup>st</sup> – Half of oCNT</li> <li>b. OB Consult – Doctor – 2<sup>nd</sup> – Full oCNT – Restore from Nurse</li> <li>c. OB Follow Up – Whomever _ 3<sup>rd</sup> – Full oCNT – Restore from Doctor of Follow Up whichever came last</li> </ol> </li> <li>2. Alert for tracked patients only (S22549)</li> </ol>		
7	09/21/2015	DSIO_1_P2_T7.KID
<ol style="list-style-type: none"> <li>1. Delete Historical Pregnancy (S17505)</li> <li>2. Pregnancy History Dialog (S26015)</li> <li>3. PUSH and Configuration - Pregnancy History (S26026)</li> <li>4. Observation PUSH Entries (S26654) <ol style="list-style-type: none"> <li>a. Lactation Status</li> <li>b. Last Contact Date</li> <li>c. Next CheckList Date</li> <li>d. Next Contact Date</li> <li>e. Patient GP</li> </ol> </li> <li>5. Family History Dialog (S26492)</li> <li>6. PUSH and Configuration - Family History (S26026)</li> <li>7. Summary for Overview Page (S26493)</li> <li>8. Added dashboard Note Titles to 19641.4 (Discreet Data Control)</li> </ol>		
6	09/04/2015	DSIO_1_P2_T6.KID
<ul style="list-style-type: none"> <li>- Pregnancy History Dialog (S26015)</li> <li>- Flow Sheet (Dialog) (S26025)</li> <li>- Pelvic Exam (Dialog) (S22776)</li> <li>- Infection History Dialog (S26093)</li> <li>- Save, PUSH, Restore Vitals (S26004)</li> <li>- Continued Form and Dialog additions/improvements</li> </ul> <p><b>PENDING</b></p> <ol style="list-style-type: none"> <li>1. Family History needs to function like Pregnancy History and Nurse Postpartum Delivery</li> <li>2. Form Summary</li> <li>3. Integrate Observations into DDCCS</li> <li>4. Update Observation PUSH entries (LACTATION STATUS, LAST CONTACT DATE, NEXT CHECKLIST DATE, NEXT CONTACT DATE, PATIENT GP)</li> </ol>		

5. 508 (DDCS) 6. Add "Other" to Education Update 7. Alerts for Tracked Patients only		
5	08/26/2015	DSIO_1_P2_T5.KID
<b>Changes</b> <ol style="list-style-type: none"> <li>Moved trigger logic execution to allow expected variables to be set</li> <li>Corrected the RPC to collect data for the DDCS Form</li> <li>Configuration updated for Dialogs <ol style="list-style-type: none"> <li>VISUAL CHANGES</li> <li>Flow Sheet (this does not mean that it's done - *see pending)</li> <li>*Pregnancy History (not done *see pending) – "place of delivery" has not been defined (this is very site specific which is why the drop down can be typed in)</li> </ol> </li> </ol> <b>Pending</b> <ul style="list-style-type: none"> <li>Pelvic exam rebuild – must be defined</li> <li>Summary box on the first page needs to be defined – must be defined</li> <li>Vitals has to be staged – the process has been conceptualized <ul style="list-style-type: none"> <li>A vitals multiple will be applied to the 19641.4941 (shared data) file which will reside under the patient with a .01 (as a multiple) as a pointer back to the 19641.41 (data) record. It will take a couple of hours to build the location, RPC, and make the GUI modification</li> </ul> </li> <li>Pregnancy History Restore and Configuration</li> <li>OB Flowsheet Restore and Configuration information <ul style="list-style-type: none"> <li>Allow multiple entries for the flowsheet per day (date and time)</li> </ul> </li> <li>PUSH routines have to be reapplied to their new controls through file configuration</li> </ul> <b>Enhancement</b> <ul style="list-style-type: none"> <li>Integrate DSIO OBSERVATION with DDCS to allow controls to have observations configured and when PUSHED to create an observation</li> </ul>		
4	08/22/2015	DSIO_1_P2_P4.KID
<b>Changes</b> <ol style="list-style-type: none"> <li>Nurse Postpartum Height increased slightly</li> <li>Infection History Narrative Label is now made visible after "No history of infection" is checked</li> <li>Merged 19641.42 with 19641.48 to improve configuration</li> <li>There is no longer a need to copy and rename the OB_Initial_Base.dll the new configuration file (#19641.42) includes a FILENAME field</li> <li>When the TRadioGroup control type is saved it no longer includes the caption – this was inconsistent with how other controls are saved</li> <li>The Combobox dropdown has had the widen function reapplied</li> <li>Added "???" lookup to DSIO DDCS CONTROL option and in all cases</li> <li>Updated the DSIO DDCS FORM CONFIGURATION option in all cases where the 19641.42 file was updated</li> <li>Restored Run Routine back to the configuration routine (RPC) that now handles configuration for the GUI and restore for both forms and dialogs</li> <li>Added PageControl to Note Generation, Configuration, and Save – it isn't treated like other controls but instead it, TGroupBox, and the TPanel have their nested controls exposed to the listed functions</li> <li>When a page tab is hidden (unless there is only one page on the form) then the page's controls</li> </ol>		

will not be added to the note or saved)

12. Review page button – changed from "ACCEPT NOTE" to "ACCEPT"
13. Review page parameter added to make the note read only
14. Vitals Menstrual History contraception items have been added- Vitals has its own RPC for the LMP tab to populate the form with the users current data - this form is not intended to restore - the data displayed is the current data for the patient. The configuration file (#19641.41) can have any page set as it's Vitals page, when done so it will allow the editing of the contraception list.  
\*The functionality to turn on/off Vitals or change the page has not been implemented.
15. The GUI collection fields that can be applied to all controls have been added to the configuration file
16. The GUI side configuration (this option is visible to users holding the DSIO DDCS CONFIG key and accessible via the button on the bottom left corner of the application above the ABOUT option) has been updated to assist with updating the configuration. The options to import the FORM controls and import the DIALOGS have been updated
17. Added the insertion of predefined text to the Physical Exam dialog when normal is clicked but left out the entry for Pelvic Exam as the entry has been removed (there is dialog dedicated to Pelvic Exam). The entry for "Back" was added. When "Abnormal" is clicked and the inserted text has not changed from the default then it is cleared. The entry for "Skin" was applied to "Integumentary". HEENT not added – it was broken down to support the IHE documents.

## Configuration

### Form Configuration of Pages

- To hide a page entries in 19641.48 have to be created as PAGE# (for the nurse interface an entry of PAGE7, PAGE8, and PAGE9) were created with a value of HIDE FROM NOTE set to yes

### Data Shuffle

\* Passing data forward is done by a shared data location with DFN being the master record so to preserve this data it will also be saved normally

- All three OB forms are set to SHARE = LIMITED for their CONTROL records
- All three OB forms are set to SHARE = YES for their FORM records
- Only the Flow Sheet Dialog is set as SHARED = YES
- At this point all data can be passed forward; however, the OB Nurse Note needs to start anew so it has an ACTION in the FORM file set to A meaning DO NOT RESTORE
- New field RESTORE AS and is used as:
  - a. OB HISTORY NOTE - NURSE = null
    - i. As set as ACTION type A to "DO NOT RESTORE" to reset the shuffle
- OB H&P CONSULT - DOCTOR = OB HISTORY NOTE – NURSE
  - a. So the doctor starts with the nurse note and builds up the doctor note
- OB FOLLOWUP NOTE = OB H&P CONSULT – DOCTOR
  - a. So the followup note starts with the doctor note and builds up the followup
  - b. If there is no doctor note then the followup build upon itself
  - c. Therefore, if the followup is done without the nurse it will restore with whatever was placed in there last. Not until the doctor note is created with the followup reset with new data.

## Pending

- Pelvic exam rebuild – must be defined
- Summary box on the first page needs to be defined – must be defined
- Allow multiple entries for the flowsheet per day (date and time)
- Vitals has to be staged – the process has been conceptualized
  - A vitals multiple will be applied to the 19641.4941 (shared data) file which will reside under the patient with a .01 (as a multiple) as a pointer back to the 19641.41 (data) record. It will take a couple of hours to build the location, RPC, and make the GUI

modification		
<b>Known Issues</b> <ul style="list-style-type: none"> <li>• Pregnancy History Restore and Configuration</li> <li>• OB Flowsheet Restore and Configuration information</li> <li>• PUSH routines have to be reapplied to their new controls through file configuration</li> </ul>		
3	08/17/2015	DSIO_1_P2_T3.KID
<b>Changes</b> <ul style="list-style-type: none"> <li>• COM rebuilt – restored back to dll **new GUID**</li> <li>• Changed ACTION file to a set of codes type free text field for the configuration and dialog files (19641.42 and 19641.49)</li> <li>• Added the DSIO DDCS PARAMETER file (19641.492) to work alongside the DSIO DDCS CONFIGURATION parameter. The parameter will continue to handle system level configuration such as LOCATION while the file will handle interface level parameters.</li> <li>• Increased the page limit from 20 to 30</li> <li>• Runtime forms now benefit from prebuilt configuration (19641.48)</li> <li>• Hold on Show, Show Splash, Preview Title, and Dialogs Required are now parameters</li> <li>• Hide single page tab</li> <li>• Corrected multivalued controls (save/restore): TListView, TListBox, TCheckListBox, TComboBox, TMemo, TRichEdit</li> <li>• Data sharing between Dialogs (Initial Nurse to Initial Doctor to Followup)</li> <li>• Restored the RPC: DSIO DDCS IMPORT FORM (Formerly DSIO OCNT IMPORT) to complete configuration on the Vista end. This RPC is used by the GUI side configuration.</li> </ul> <b>Configuration</b> <ul style="list-style-type: none"> <li>• Dialog configuration <ul style="list-style-type: none"> <li>• To hide a page entries in 19641.48 have to be created as PAGE# (for the nurse interface an entry of PAGE7, PAGE8, and PAGE9) were created with a value of HIDE FROM NOTE set to yes</li> </ul> </li> </ul> <b>Pending</b> <ul style="list-style-type: none"> <li>• Pelvic exam rebuild – must be defined</li> <li>• Add insertion of predefined text when normal is selected for ROS dialog</li> <li>• Allow multiple entries for the flowsheet per day (date and time)</li> <li>• Summary box on the first page needs to be defined – must be defined</li> </ul> <b>Review</b> <ul style="list-style-type: none"> <li>• PUSH M code</li> <li>• Family Assessment Names configuration</li> </ul> <b>Known Issues</b> <ul style="list-style-type: none"> <li>• Combobox dropdown needs to be widened for the longest item</li> <li>• Nurse Postpartum Height</li> <li>• Vitals Menstrual History contraception items</li> <li>• Pregnancy History Subforms configuration</li> <li>• Pregnancy History Restore</li> <li>• Infection History Narrative Label is not made visible after “No history of infection” is checked</li> <li>• OB Flowsheet configuration information</li> <li>• OB Flowsheet Restore</li> </ul>		
2	08/06/2015	DSIO_1_P2_T2.KID



## Changes

1. Tab button is now hidden when only a single page
2. Vitals Final GA added and added to note
3. Clear Final GA and Final EDD when the checked check box is unchecked
4. When row data is updated while checked uncheck and clear Final GA and Final EDD
5. The "Final EDD" checkbox now updates to check when clicking from one check to the next
6. Vitals Embryo Transfer Day needs to be restored
7. Vitals tab format for Vitals and Menstrual History could be better (low priority)
8. RESTORE (for dialogs tested)
9. RECORD – PUSH transactions are recorded
10. PUSH – by controls has been added
11. Auto Installation Configuration
12. General Housekeeping (VistA)
13. RPC: DSIO DDCS GET CONTROL VALUE – Upgraded to handle an OBJECT entry of N=### for note equals IEN and O=### order equals IEN. The Dashboard can call this RPC with ("N=###","OTHER",###)

## Future/ToDo

Some of the redesign allows for better reuse of the interfaces and to pass information between then.

14. OB Initial (Nurse), OB Initial (Doctor), OB Follow-Up will pass information between each other using the RESTORE functionality.
15. Note validation – controls can be set to required (in VistA) which should prevent a note from being finished if the value is null. I need to test and confirm this still works.
16. Pelvic Exam Rebuild

1	07/23/2015	DSIO_DDCS_2_T1.KID
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**\*\* The format of the SAVE array has changed\*\***

It is now: **CONTROL^(INDEXED^VALUE)**

INDEXED isn't always required for all controls and in the case it is not used there shall be an empty piece. When it is used it can be used however the calling program sees fit so if it needs to store a number than a number can be used but for controls that are a list of Boolean then it may be helpful to store true/false as the INDEXED value.

## Changes

1. See configuration below
2. Split Nurse Postpartum into Nurse Postartum-Maternity and Nurse Postpartum-Delivery (if you don't like the names see #1 above)
3. Spelling corrections and other minor corrections reported by Mollie
4. "Negative for All" is in the same location throughout dialogs
5. "Negative for All" became "Normal for All" where appropriate
6. Vitals can now be tabbed within.
7. Vitals EDD and LMP tabs written out to "Estimated Delivery Date" and "Menstrual History"
8. Pelvic Exam removed from Physical Exam dialog
9. OB Exam dialog renamed to Pelvic Exam
10. Removed Fibrosis from Pelvic Exam
11. Active Problems import removed from OB History base
12. OB Flow Sheet Fetal Activity now is "No" and "Decreased" – this is configured in VistA (19641.48)
13. OB Flow Sheet Cervical Exam is no longer required
14. OB Exam (now Pelvic Exam) now reads Clinical Pelvimetry where it was Pelvis
15. OB Exam (now Pelvic Exam) now has dimensions of "Adequate", "Borderline", and "Inadequate"
16. Nurse Postpartum-Delivery now has AKRI under Vaginal

17. Nurse Postpartum-Delivery now has "Days to Delivery At"
18. Nurse Postpartum-Delivery now has "Bakri Balloon Placement" as a checkbox in Other Procedures
19. Rebuilt CONTROL
20. Rebuilt SAVE – this will break the dashboard!
21. Tabs will now check with use of the Next and Previous buttons on entry
22. Physical Exam dialog is now two pages with more entries and renames based on Randy's request
23. Infection dialog now includes Narrative
24. Infection dialog now includes "Not Known"
25. Medical dialog now includes Narrative
26. OB Flow Sheet now has a single OK button that will add the current information to as a row, close the form, and populate the memo. A "Add Row" button has been added in Edit Mode to allow for the adding of multiple rows during a single session.
27. The plan tab for the OB Initial base will now add problems on check
28. New options for assisting in editing the configuration files and others to display data from 19641.41, 19641.4941, and 19641.45

### Disabled

The following functionality won't be enabled in current patch.

1. PUSH – the functionality to PUSH individual controls on trigger is incomplete; however PUSHing a complete interface is now included. Some oCNTs will benefit from this.
2. RESTORE – the functionality to RESTORE is incomplete. This functionality is not benefit Maternity Tracker for a complete interface because CPRS does not send enough information to be able to recall the information; however, it does use this functionality when re-displaying a dialog during the current session. This functionality is being built into the initial call for configuration to have on less Vista call and save GUI processing time.
3. RECORD – PUSH transactions are recorded, this routine will have to be reviewed once PUSH is completed.

### Future/ToDo

Some of the redesign allows for better reuse of the interfaces and to pass information between then.

1. OB Initial (Nurse), OB Initial (Doctor), OB Follow-Up will pass information between each other using the RESTORE functionality.
2. Note validation – controls can be set to required (in Vista) which should prevent a note from being finished if the value is null. I need to test and confirm this still works.
3. Vitals tab format for Vitals and Menstrual History could be better (low priority)
4. Vitals Final GA is incomplete
5. Vitals Embryo Transfer Day needs to be restored
6. Pelvic Exam is a mess

### Components:

Type: SINGLE PACKAGE	National Package: NO
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File #	File Name	Update DD	Send Sec. Code	Data Comes w/ file	Site Date	RSLVPTRS	User Override
19641	DSIO PATIENT	YES	YES	NO			
19641.01	DSIO MENSTRUAL HISTORY	YES	YES	NO			
19641.03	DSIO EDD HISTORY	YES	YES	NO			
19641.1	DSIO EXTERNAL ENTITIES	YES	YES	NO			
19641.11	DSIO PERSON	YES	YES	NO			
19641.112	DSIO FETUS/BABY	YES	YES	NO			

19641.12	DSIO OBSERVATIONS	YES	YES	NO			
19641.122	DSIO DDCS OBSERVATION CONFIG	YES	YES	YES	OVER	NO	NO
19641.123	DSIO OBSERVATION PUSH	YES	YES	YES	REPL	NO	NO
19641.124	DSIO DDCS PUSH HISTORY	YES	YES	NO			
19641.13	DSIO PREGNANCY HISTORY	YES	YES	NO			
19641.4	DSIO DDCS CONTROL	YES	YES	YES	REPL	NO	NO
DATA SCREEN: I \$P(^DSIO(19641.4,Y,0),U)[ ">,";\$P(\$G(^DSIO(19641.4,Y,99)),U)=516							
19641.401	DSIO DDCS REPORT ITEMS	YES	YES	YES	REPL	NO	NO
19641.402	DSIO REMINDER ELEMENTS	YES	YES	NO			
19641.41	DSIO DDCS DATA	YES	YES	NO			
19641.42	DSIO DDCS FORM CONFIGURATION	YES	YES	YES	REPL	NO	NO
DATA SCREEN: I \$P(\$G(^DSIO(19641.42,Y,99)),U)=516							
19641.425	DSIO DDCS CONTROLS	YES	YES	YES	OVER	NO	NO
19641.4258	DSIO DDCS CONTROL PROPERTIES	YES	YES	YES	OVER	NO	NO
19641.45	DSIO DDCS ELEMENT	YES	YES	NO			
19641.48	DSIO OCNT CONFIGURATION						
19641.49	DSIO DDCS DIALOGS	YES	YES	YES	REPL	NO	NO
19641.492	DSIO DDCS PARAMETER	YES	YES	YES	REPL	NO	NO
19641.4941	DSIO DDCS SHARED DATA	YES	YES	NO			
19641.83	DSIO PREGNANCY-NOTE	YES	YES	NO			
19641.99	DSIO CODES	YES	YES	NO			

### Key

	Transporting Data
	Information
	Delete

### ROUTINE (Option: XTSUMBLD-CHECK/Routine: CHCKSUM^XTSUMBLD):

PRE-INIT: DSIO0P			
CHECKSUM			
NAME	OLD	NEW	DESCRIPTION
DSIO01	113370102	113370102	DSIO OCNT PUSH SUPPORT
DSIO02	21623376	21623376	DSIO FORM CONFIGURATION
DSIO03	40980579	40980579	DSIO OBSERVATION PUSH
DSIO1	229872005	229872005	DSIO GENERAL RPCS
DSIO10	118363268	118363268	DSIO OBSERVATION
DSIO11	130011591	130011591	DSIO MCC CHECKLIST
DSIO12	17480668	17480668	DSIO CLINICAL RPCS
DSIO13	6558447	6558447	DSIO ORDER RPCS
DSIO14	23728438	23728438	DSIO IHE
DSIO15	104786485	104704709	DSIO PREGNANCY
DSIO2	44746596	44746596	DSIO X-REFERENCES AND UTILITIES
DSIO3	86326275	86326275	DSIO TIU SUPPORT
DSIO4	71134568	71134568	DSIO PREGNANCY X-REF AND FILE SUPPORT
DSIO5	21936039	21936039	DSIO TRIGGERS
DSIO6	77783133	77783133	DSIO DISCREET DATA - DDCS
DSIO61	26741009	26741009	DSIO DDCS SPECIAL LOOKUP
DSIO62	13625075	13625075	DSIO DDCS SPECIAL LOOKUP

DSIO63	102479884	102479884	DSIO DDCS CONFIGURE AND REPORT
DSIO64	23618473	23618473	DSIO DDCS DATA RETURN
DSIO65	178185443	178185443	DSIO DDCS FORM SUPPORT
DSIO66	9587246	9587246	DSIO DDCS DIALOG SUPPORT
DSIO67	20914624	20914624	DSIO DDCS ELEMENT OBSERVATIONS
DSIO7	125540194	125540194	DSIO VPR FOR IHE
DSIO8	164625090	164625090	DSIO EDUCATION RPCs
DSIO9	71458566	71458566	DSIO PERSON
DSIO99	77321792	77321792	DSIO IMPORT/EXPORT TIU TITLES
DSIO0			
DSIO3A			
DSIO3V1			
DSIO4P1			
DSIO4P2			
DSIO5A			
DSIO5C			
DSIO5DEL			
DSIO5MCK			
DSIO5O			
DSIO5O1			
DSIO5O2			
DSIO5O3			
DSIO5R			
DSIO5U			
DSIO60			
DSIO801			
DSIO803			
DSIO98			

**OPTION:**

DSIO DDCS CHECK STATUS
DSIO DDCS CONTEXT
DSIO DDCS CONTROL
DSIO DDCS DATA
DSIO DDCS FORM CONFIGURATION
DSIO DDCS MAIN
DSIO DELETE PREGNANCY
DSIO EVAL CONSULTS
DSIO EVAL LABS
DSIO EVAL PROBLEMS
DSIO GUI CONTEXT
DSIO MAIN
DSIO TRACKING EVAL
DSIO TRIGGER CONSULT
DSIO TRIGGER ENTER/EDIT
DSIO TRIGGER LAB
DSIO TRIGGER PROBLEMS
DSIO UPDATE REMINDER ELEMENTS
DSIO CHECK DDCS STATUS
DSIO CHECK NOTE STATUS
DSIO OCNT CONTEXT

**SECURITY KEY:**

DSIO DDCS CONFIG

DSIO OCNT CONFIGURATION

**PARAMETER DEFINITION:**

DSIO DDCS LOCATION

DSIO DDCS CONFIGURATION

DSIO OCNT LOCATION

**REMOTE PROCEDURES:**

DSIO DDCS BUILD FORM

DSIO DDCS CANCEL AUTOSAVE

DSIO DDCS CONFIGURATION

DSIO DDCS CONTROLLED

DSIO DDCS DIALOG IMPORT

DSIO DDCS DIALOG LOOKUP

DSIO DDCS GET CONTROL VALUE

DSIO DDCS IMPORT FORM

DSIO DDCS ORQQAL LIST

DSIO DDCS ORQQPL LIST

DSIO DDCS ORQQPS LIST

DSIO DDCS ORQQVI VITALS

DSIO DDCS ORQQVI VITALS SAVE

DSIO DDCS SAVE CONFIGURATION

DSIO DDCS STORE

DSIO DDCS VITALS LMP

DSIO GET NOTIFICATIONS/ALERTS

DSIO GET OBSERVATIONS

DSIO GET PATIENT INFORMATION

DSIO GET PREG DETAILS

DSIO SAVE OBSERVATION

DSIO SAVE PREG DETAILS

DSIO GET PREG HISTORY RANGE

DSIO DDCS DIALOG POPULATE

DSIO DDCS FORM RESTORE

DSIO DDCS GET LOCATION

DSIO DDCS STORE (DIRECT)

DSIO DDCS STORE (TASK)

DSIO FEMALE PATIENT FIND

DSIO FEMALE PATIENT SEARCH

DSIO GET IHE DOC

DSIO GET IHE PATIENT INFO

DSIO GET NOTE ELEMENT

DSIO GET PREG OBSERVATIONS

DSIO IHE GET DOC

DSIO IHE PATIENT LIST

DSIO IHE SAVE
DSIO IS IT CONTROLLED?
DSIO OCNT CANCEL AUTOSAVE
DSIO OCNT CLEAR NOTE DATA
DSIO OCNT CLEAR NOTE INTERFACE
DSIO OCNT DIALOG IMPORT
DSIO OCNT DIALOG LOOKUP
DSIO OCNT DIALOG POPULATE
DSIO OCNT GET LOCATION
DSIO OCNT GET REPORT ITEM
DSIO OCNT IMPORT
DSIO OCNT POPULATE
DSIO OCNT RESTORE
DSIO OCNT SAVE REPORT ITEM
DSIO ORQQAL LIST
DSIO ORQQPL LIST
DSIO ORQQPS LIST
DSIO ORQQVI VITALS
DSIO PATIENT INFORMATION
DSIO RETURN ENTITY
DSIO SAVE NON VA ENTITY
DSIO SAVE OBSERVATION

#### **Menu Context – DSIO DDCS CONTEXT (Registered RPCs)**

ORWU HASKEY
DSIO DDCS DIALOG LOOKUP
DSIO DDCS DIALOG IMPORT
DSIO DDCS CONTROLLED
DSIO DDCS BUILD FORM
DSIO DDCS STORE
DSIO DDCS CANCEL AUTOSAVE
DSIO DDCS GET CONTROL VALUE
DSIO DDCS CONFIGURATION
DSIO DDCS ORQQAL LIST
DSIO DDCS ORQQPS LIST
DSIO DDCS ORQQPL LIST
DSIO DDCS ORQQVI VITALS
DSIO DDCS SAVE CONFIGURATION
DSIO DDCS IMPORT FORM
DSIO DDCS VITALS LMP
DSIO DDCS ORQQVI VITALS SAVE

#### **Menu Context – DSIO GUI CONTEXT (Registered RPCs)**

DSIO CREATE TRACKING LOG
DSIO GET TRACKING
DSIO SELECT LIST

ORWU HASKEY
DG SENSITIVE RECORD ACCESS
DG SENSITIVE RECORD BULLETIN
TIU DOCUMENTS BY CONTEXT
ORWPT SELECT
ORWU USERINFO
DSIO SAVE EXTERNAL ENTITY
DSIO GET EXTERNAL ENTITY
DSIO CREATE A NOTE
DSIO UPDATE A NOTE
DSIO MAKE ADDENDUM
DSIO GET RECORD TEXT
DSIO DELETE A NOTE
DSIO SIGN A NOTE
DSIO GET TIU NOTES
XUS CVC
TIU AUTHORIZATION
DSIO SAVE IHE DOC
VPR DATA VERSION
VPR GET PATIENT DATA
ORWU1 NEWLOC
DSIO VPR GET PATIENT DATA
DSIO SAVE PERSON
DSIO GET PERSON
DSIO SAVE PREG DETAILS
DSIO SAVE OBSERVATION
DSIO GET PREG DETAILS
DSIO GET PATIENT INFORMATION
DSIO GET OBSERVATIONS
DSIO GET ORDER LIST
DSIO GET ORDER DETAIL
DSIO GET REMINDER DETAIL
DSIO GET REMINDER LIST
ORQQCN LIST
ORQQCN DETAIL
ORWRP REPORT TEXT
DSIO SET PATIENT INFORMATION
DSIO GET EDUC CATEGORY LIST
DSIO GET EDUCATION ITEMS
DSIO GET MCC CHECKLIST
DSIO GET MCC PATIENT CHECKLIST
DSIO GET PATIENT EDUCATION
DSIO GET PROVIDER
DSIO SAVE EDUCATION ITEM
DSIO SAVE MCC CHECKLIST
DSIO SAVE MCC PAT CHECKLIST

DSIO SAVE PATIENT EDUCATION
DSIO DELETE MCC CHECKLIST
DSIO DELETE MCC PAT CHKLST
DSIO CHECK CONTROLLED LABS
DSIO PATIENT LIST
DSIO GET NOTIFICATIONS/ALERTS
DSIO GET IHE CONTENT
DSIO GET IHE DOCS
DSIO DDCS GET CONTROL VALUE
DSIO GET PREG HISTORY RANGE