

DOCUMENT STORAGE SYSTEMS, INC.

DSIO – CORE

Development/Technical Guide

Theodore Fontana

9/3/2014

Contents

Components.....	2
ARCHITECTURE.....	5
OCNT with DDCS	8
DDCS.....	8
CORE.....	9
APIs.....	10
\$\$NAME^DSIO2	10
\$\$DT^DSIO2	10
Remote Procedure Calls.....	11
DSIO FEMALE PATIENT SEARCH	11
DSIO FEMALE PATIENT FIND	13
DSIO GET SINGLE VALUE	Error! Bookmark not defined.
DSIO SAVE NON VA ENTITY	14
DSIO RETURN ENTITY	16
DSIO SELECT LIST.....	18
DSIO CREATE TRACKING LOG	20
DSIO GET TRACKING.....	23
DSIO CREATE A NOTE	26
DSIO SIGN A NOTE	29
DSIO MAKE ADDENDUM	31
DSIO UPDATE A NOTE	34
DSIO DELETE A NOTE	36
DSIO GET RECORD TEXT	37
DSIO NOTES BY DFN AND TITLE	Error! Bookmark not defined.
DSIO VPR GET PATIENT DATA	40
DSIO IHE GET DOC.....	42
DSIO IHE PATIENT LIST	43
DSIO IHE SAVE	44

Components

Files			
	DSIO PATIENT	19641	Additional patient centric data elements not already part of VistA.
	DSIO NON-VA ENTITIES	19641.1	Providers and facilities not belonging to the VA.
	DSIO PERSONS	19641.11	Stores people related to the patient without marriage or a dependency related nature.
	DSIO TRACKING HISTORY	19641.2	A list of dated records for use with the MCC dashboard by to track, stop tracking, or flag a patient for tracking.
	DSIO TRACKING SOURCE	19641.22	The application that is creating the tracking log.
	DSIO TRACKING REASON	19641.23	A listing of reasons why a patient is being or flagged for tracking.
	DSIO CPRS PROBLEM	19641.31	
	DSIO LAB TEST	19641.33	
	DSIO NOTE CONTROL	19641.4	A listing of TIU Document Titles and Reminder Dialogs that will allow discreet data to be saved. It also holds any M Code to execute for data elements that need additional processing outside of DDCS.
	DSIO NOTE DATA	19641.41	This file links DSIO NOTE S, M, and WP discreet data entries to the TIU Document.
	DSIO NOTE S	19641.43	This is a single valued discreet data entry.
	DSIO NOTE M	19641.44	This is a multi-valued discreet data entry.
	DSIO NOTE WP	19641.45	This is a word processing type discreet data entry.
	DSIO OCNT CONFIGURATION	19641.48	This file contains startup data for an OCNT by TIU Document Title.
	DSIO OCNT DIALOGS	19641.49	This file contains the Delphi data needed to create an OCNT dialog form and its startup data.
	DSIO TITLE CONFIGURATION	19641.5	This file contains visit

			information required to create TIU Documents through the MCC Dashboard.
	DSIO IHE DOCUMENT	19641.6	This file stores the IHE Documents.
	DSIO IHE DOCUMENT TYPE	19641.61	This file stores the IHE Document types.

Routines

	DSIO0	DSIO OCNT Support
	DSIO1	DSIO RPCs
	DSIO2	DSIO X-References and Utilities
	DSIO3	DSIO TIU Support
	DSIO3A	DSIO IHE Support
	DSIO3V1	DSIO VPR for IHE
	DSIO3V2	DSIO VPR for IHE
	DSIO3V3	DSIO VPR for IHE
	DSIO4	DSIO RPCs
	DSIO5	DSIO Trigger

Options

	DSIO GUI CONTEXT	RPCs for use with the MCC Dashboard.
	DSIO OCNT CONTEXT	RPCs for use with oCNTs.

Security Keys

	DSIO ADMIN	
--	------------	--

Parameter Definitions

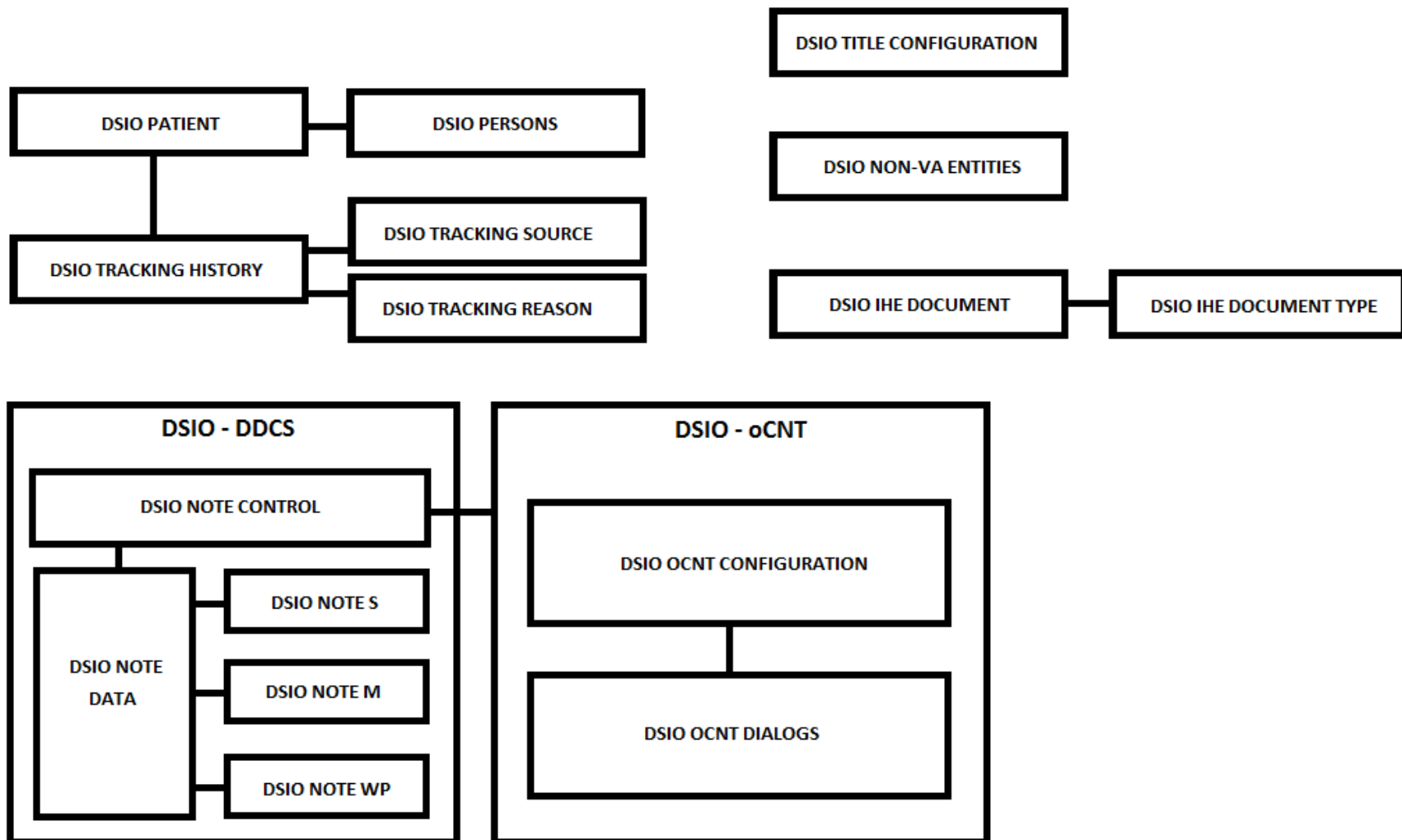
	DSIO OCNT LOCATION	This is the root directory path where oCNTs are stored.
--	--------------------	---

Remote Procedures

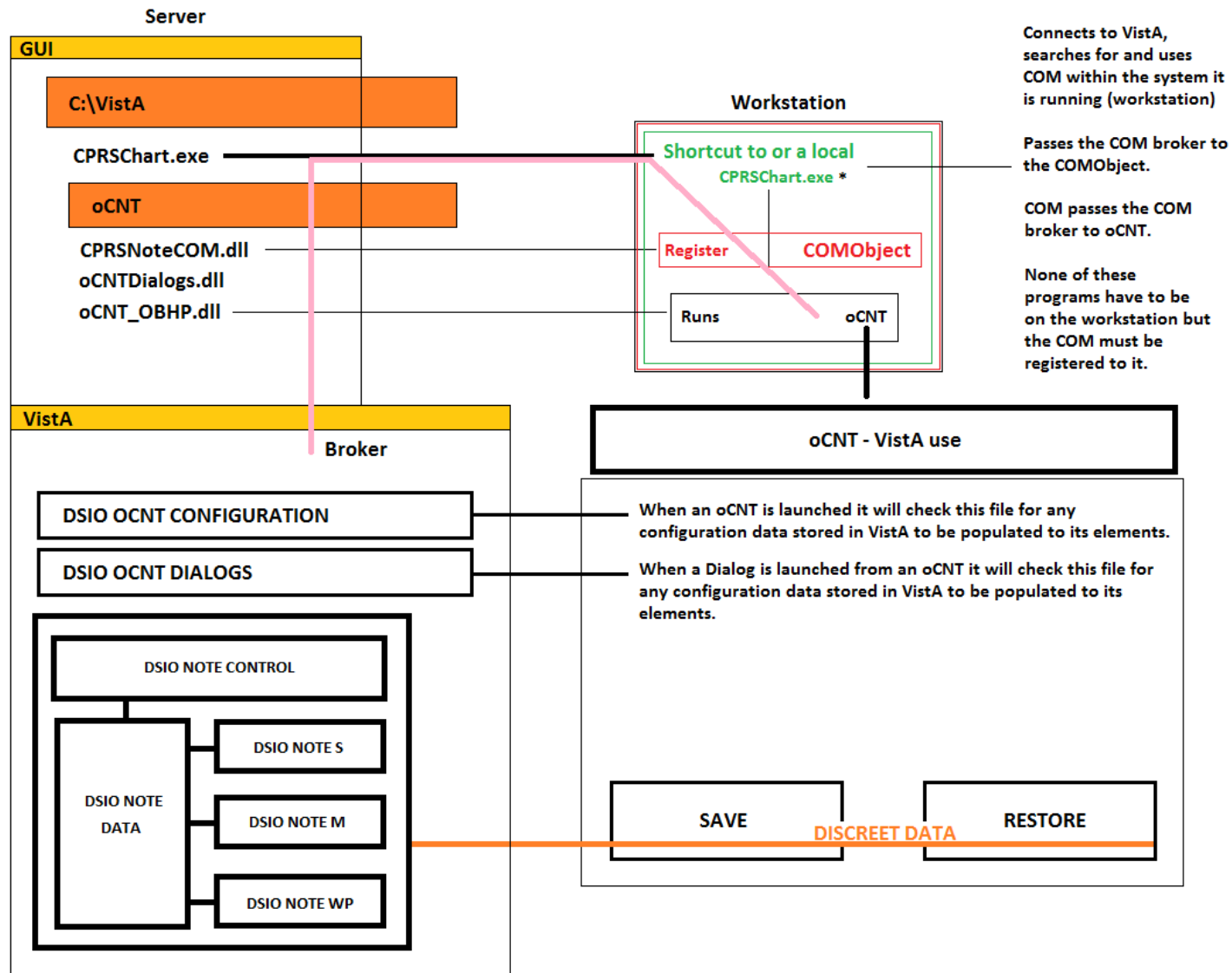
	DSIO CREATE TRACKING LOG
	DSIO FEMALE PATIENT FIND
	DSIO FEMALE PATIENT SEARCH
	DSIO GET TRACKING
	DSIO SELECT LIST
	DSIO GET SINGLE VALUE
	DSIO SAVE NON VA ENTITY
	DSIO RETURN ENTITY
	DSIO CREATE A NOTE
	DSIO UPDATE A NOTE
	DSIO MAKE ADDENDUM
	DSIO GET RECORD TEXT
	DSIO DELETE A NOTE
	DSIO SIGN A NOTE

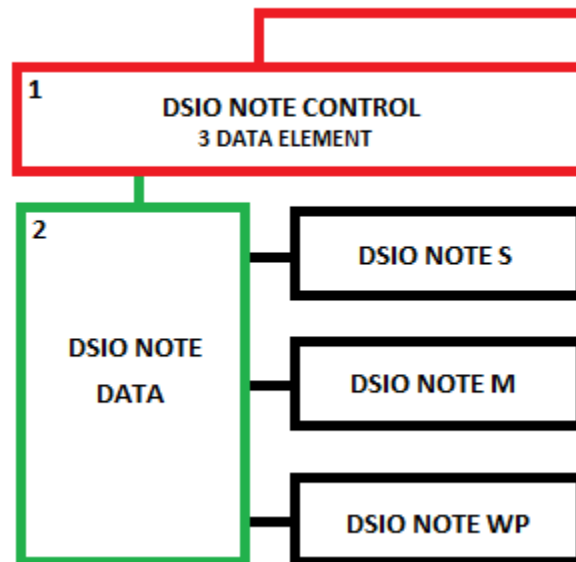
	DSIO NOTES BY DFN AND TITLE
	DSIO GET NOTE ELEMENT
	DSIO IS IT CONTROLLED?
	DSIO IHE SAVE
	DSIO IHE PATIENT LIST
	DSIO IHE GET DOC
	DSIO VPR GET PATIENT DATA
	DSIO OCNT GET LOCATION
	DSIO OCNT STORE
	DSIO OCNT RESTORE
	DSIO OCNT DIALOG POPULATE
	DSIO OCNT DIALOG LOOKUP

ARCHITECTURE



oCNT WITH DDCS



RPC

1. The TIU Document's Title/Reminder Dialog is controlled.

2. Passed 1, save the TIU Document to DSIO NOTE DATA and the elements to S, M, WP and link them back

3. A data element has been matched with the TIU Document Title data entry - Execute the M Code.

OCNT with DDCS

The DSIO oCNTs can only be run through the CPRS TIU Note ComObject functionality and so cannot run standalone nor can they access VistA without it being through CPRS. The OCNT uses ICPRSBroker which is set up in CPRSNoteCOM.dll using uExtndComBroker.pass to behave like ORNet before it is passed to the called OCNT. Before it is passed to the called OCNT the ComObject will use it to retrieve the OCNT root path using the RPC DSIO OCNT GET LOCATION which uses the parameter DSIO OCNT LOCATION. Once it has this value it will concatenate it with the passed value to find and launch the called OCNT.

Once an OCNT is launched the OCNT will loop through all of its owned components and use the RPC - DSIO OCNT POPULATE to lookup any of these components by name and TIU Document IEN which in turn is used to check the DSIO OCNT CONFIGURATION file to look under for the TIU Document Title and if in the file will check if the component name also exists and if so, will retrieve any associated value(s). If the RPC returns a value it will be used to set the component. The idea here is to allow OCNT selection type components to be changed by a site by site basis without the need for redevelopment. This same functionality is performed by DSIO OCNT DIALOG POPULATE when a dialog is opened but uses the DSIO OCNT DIALOGS file.

When an OCNT is closed, finished, or saved it will loop through all of its ReportCollection Items and build an array and once finished it will pass this array to VistA using the RPC - DSIO OCNT STORE which will then save the data associated by component and TIU Document discreetly. The APIs and files used for this process is part of the DSIO - DDCS (Discreet Data Control and Storage) package; for more information please refer to the DSIO_DDCS.pdf document. Likewise, when an OCNT dialog is OK'ed it will loop through all of its owned components and will use the same RPC to store all of its components and their values discreetly.

DDCS

Saving data discreetly using this system means saving the name of individual elements or what they intend to represent along with their data associated to a TIU Document. In order to use this there must be a TIU Document created with a title that exists within the DSIO NOTE CONTROL file or you must be running a Reminder Dialog in CPRS when that Reminder Dialog has been added to the DSIO NOTE CONTROL file. Both the Reminder Dialog and the TIU Document (either by an OCNT or DSIO TIU Support RPC) use the RPC - DSIO OCNT STORE.

DSIO OCNT STORE takes the TIU Document IEN as the first parameter as saves the elements to DSIO NOTE S, M, or WP depending on the type of component and links them to DSIO NOTE DATA under the TIU Document. DSIO NOTE CONTROL allows the process to occur while matching any element that is passed in its DATA multiple and executes stored M code upon finding a match associated to a TIU Document Title.

CORE

Beyond the DDCS and the OCNT blocks the DSIO CORE consists of the DSIO PATIENT file which is DSIO's center when extending VistA with patient specific information. DSIO PERSONS is pointed to by DSIO PATIENT to extend the patient's relations where the PATIENT RELATION and INCOME PERSON file would be inappropriate. One such example is the DSIO's need for a Father of Fetus but such a relationship does not imply marriage (the space RELATIONSHIP) nor does it imply dependency which is the main use of the PATIENT RELATION file. DSIO PATIENT also has a TRACKING STATUS field whose value is determined by entries in the DSIO TRACKING HISTORY file which points to the DSIO TRACKING SOURCE and DSIO TRACKING REASON files – this two additional tracking type files merely provide more flexibility than a set of codes field type would allow.

DSIO TITLE CONFIGURATION allows for DSIO TIU Supported type RPCs to create TIU Documents without requiring the user to select a visit each time. This functionality is only intended for use with DSIO TIU Document Titles used in the Maternity Tracker Dashboard. Such notes are Event or telecommunication service type notes. The DSIO CREATE A NOTE RPC will not create a note unless the title exists in this file and appropriate visit information has been configured.

DSIO NON-VA ENTITIES covers the storage of both facilities and providers not related to the VA.

DSIO IHE DOCUMENT covers the storage of IHE documents and the information related to their import or export, patient centric, and requiring a unique GUID across the file. DSIO IHE DOCUMENT TYPE is used to provide greater flexibility than a set of codes field type would allow. These XML based documents are created from VistA using the Maternity Tracker Dashboard with the use of DSIO VPR

APIs

\$\$NAME^DSIO2

Reference Type

Category GENERAL

Description This API transforms a patient's name as it is in the .01 field of the patient file (LASTNAME,FIRSTNAME MI) to title case (Lastname,Firstname MI).

Format \$\$NAME^DSIO2 (NAM)

Input Parameters NAM: The patient's name as it appears in the .01 field of the patient file.

NAME^DSIO2(NAM) — Example

```
VAH>W $P(^DPT(8,0),U)
AYS,SHTS
VAH>W $$NAME^DSIO2($P(^DPT(8,0),U))
Ays,Shts
```

\$\$DT^DSIO2

Reference Type

Category GENERAL

Description This API transforms an external Date/Time to FileMan DT.

Format \$\$DT^DSIO2 (VAL)

Input Parameters VAL: This is a date/Time value originally intended for use with formats not compatible with DT^DILF but has been extended to use this API as well.

NAME^DSIO2(NAM) — Example

```
VAH>W $$DT^DSIO2("9/23/2004 10:53:25 AM")
3040923.105325
VAH>W $$DT^DSIO2("2009-10-22 05:00:00.0")
3091022.05
```

Remote Procedure Calls

Categories	
GENERAL	
NOTES	
TRACKING	
OCNT	Please refer to OCNT documentation.
DDCS	Please refer to DDCS documentation.
IHE	

DSIO FEMALE PATIENT SEARCH

Reference Type

Category GENERAL

Description The purpose of this RPC is to provide a GUI with a listing of female patients. Due to the nature of the KEY input parameter it can also be used to find a patient or a set of patients by name.

Format PATIENT2^DSIO1 (.RET,KEY, SORT)

Input Parameters

KEY: This is a string of text representing patient names starting with their last name to their first name INCLUDING the comma (,) in between. It can be one character to a full name.

SORT: This input parameter must be formatted as PAGE#,COUNT# (the comma is required). The COUNT portion of this parameter will control how many entries in the list will be returned and the PAGE portion will identify the increment by COUNT of the entries returned. Thus if there are 4 entries, a SORT of 1,2 will be entries 1 and 2 and 2,2 will return entries 3 and 4.

Output GLOBAL ARRAY

Success Multi Lines of:

The zero node will return the total number of entries returned.

DFN ^ LASTNAME,FIRSTNAME ^ SSN(LAST 4) ^
 DATE OF BIRTH ^ VETERAN STATUS ^
 LOCATION(WARD) ^ ROOM/BED^SERVICE
 CONNECTED ^ CURRENTLY TRACKING ^ SSN ^
 CITY ^ STATE ^ ZIP

Failure -1^Patient(s) not found.

PATIENT2^DSIO1(.RET,KEY,SORT) — Example

```
VAH>D PATIENT2^DSIO1(.RET,"A") ZW @RET
^TMP(13268,"DSIO PATIENT",0)=3
^TMP(13268,"DSIO PATIENT",1)="751^Acmpatient,One^0939^9/19/1939^YES^7B^^NO^2^666
660939^WASHINGTON^DISTRICT OF COLUMBIA^02030"
^TMP(13268,"DSIO PATIENT",2)="8^Ays,Shts^3333^3/15/1921^YES^3ES^^YES^0^101013333
^MAYBERRY^KANSAS^12345"
^TMP(13268,"DSIO PATIENT",3)="126^Azdhshts,Jxaalshula^^*SENSITIVE^^*SENSITIVE^^NO
^3E NORTH^3E-100-2^NO^0^101015454^NEW KRANSTON^ALASKA^12345"

VAH>D PATIENT2^DSIO1(.RET,"dkjfkdkjfkjdfjdkfj") ZW @RET
^TMP(20708,"DSIO PATIENT",0)="-1^Patient(s) not found."
```

DSIO FEMALE PATIENT FIND

Reference Type

Category GENERAL

Description The purpose of this RPC is to try to find a specific patient either by their SSN, last four, or the first letter of their last name plus their last four. There is still a possibility to find more than one patient but the list will be much narrower than DSIO FEMALE PATIENT SEARCH.

Format PATIENT1^DSIO1(.RET,KEY)

Input Parameters **KEY:** This can be either a set of 4 or 9 number as an SSN in a ###-##-#### format or as a letter + #####.

Output ARRAY

Success	Multi Lines of: DFN ^ LASTNAME,FIRSTNAME ^ SSN(LAST 4) ^ DATE OF BIRTH ^ VETERAN STATUS ^ LOCATION(WARD) ^ ROOM/BED ^ SERVICE CONNECTED ^ CURRENTLY TRACKING
Failure	-1^Patient not found.

PATIENT1^DSIO1(.RET,KEY) — Example

```

VAH>D PATIENT1^DSIO1(.RET,666660939) ZW RET
RET(0)="751^Acmpatient,One^0939^9/19/1939^YES^7B^^NO^2"

VAH>D PATIENT1^DSIO1(.RET,"666-66-0939") ZW RET
RET(0)="751^Acmpatient,One^0939^9/19/1939^YES^7B^^NO^2"

VAH>D PATIENT1^DSIO1(.RET,"A0939") ZW RET
RET(0)="751^Acmpatient,One^0939^9/19/1939^YES^7B^^NO^2"

VAH>D PATIENT1^DSIO1(.RET,0930) ZW RET
RET(0)="-1^Patient not found."

```

DSIO SAVE NON VA ENTITY

Reference Type

Category	GENERAL	
Description	This RPC will create or edit an entry in the DSIO NON-VA ENTITIES file.	
Format	SENT^DSIO1 (.RET, .SAVE)	
Input Parameters	IEN	Internal entry for the DSIO NON-VA ENTITY file.
	NAME	The .01 value of the entry – the entity name.
	TYP	Either P(ROVIDER or F(ACILITY)
	ACT	Either A(CTIVE) or I(NACTIVE)
	PCON	The Primary Contact – only valid for facilities.
	ADDR	The address array with each entry as name value pairs 1 – street address 1 2 – street address 2 3 – street address 3 City – city State – state Zip – zip code
	PHONE	The phone array with each entry as name value pairs H – home MC – Mobile/Cell WP – Work FAX – fax
	Output	
	SINGLE VALUE	
	Success	1^IEN
	Failure	-1^ERROR MESSAGE

SENT^DSIO1(.RET,.SAVE) — Example

DSIO RETURN ENTITY

Reference Type

Category GENERAL

Description This RPC will return a list of entries from the DSIO NON-VA ENTITIES file. When TYP is set to “F” only facilities will be returned, for “P” only providers, and when TYP is a number or a name it will return the record for that entry only.

Format RENT^DSIO1 (.RET, TYP, SORT)

Input Parameters

TYP: This input parameter will narrow the return list – “F”: Facilities, “P”: Providers, # or NAME for a single entry, or null for all entries.

SORT: This input parameter must be formatted as PAGE#,COUNT# (the comma is required). The COUNT portion of this parameter will control how many entries in the list will be returned and the PAGE portion will identify the increment by COUNT of the entries returned. Thus if there are 4 entries, a SORT of 1,2 will be entries 1 and 2 and 2,2 will return entries 3 and 4.

Output GLOBAL ARRAY

Success Multi Lines of:

The zero node will return the total number of entries returned.

IEN ^ NAME ^ TYPE ^ INACTIVE ^ PRIMARY
CONTACT ^ STREET ADDRESS 1 ^ STREET
ADDRESS 2 ^ STREET ADDRESS 3 ^ CITY ^ STATE ^
ZIP CODE ^ PHONE NUMBER (HOME) ^ PHONE
NUMBER (OFFICE) ^ PHONE NUMBER (CELL) ^
FAX NUMBER

Failure -1^No entries found.

RENT^DSIO1(.RET,TYP,SORT) — Example

```

VAH>D RENT^DSIO4(.RET,"") ZW @RET
^TMP("DSIO RENTRET",5292,0)=4
^TMP("DSIO RENTRET",5292,1)="2^ANOTHER^FACILITY^^^^^^SOUTH DAKOTA^^^^^"
^TMP("DSIO RENTRET",5292,2)="1^NEW^PROVIDER^^^2345 LANE^^^BIG CITY^GUAM^12345^^^^"
^TMP("DSIO RENTRET",5292,3)="3^TEST^FACILITY^^^^^^^^^^^^^^"
^TMP("DSIO RENTRET",5292,4)="4^TEST P^PROVIDER^^^^^^^^^^^^^^"

VAH>D RENT^DSIO4(.RET,"P") ZW @RET
^TMP("DSIO RENTRET",5292,0)=2
^TMP("DSIO RENTRET",5292,1)="1^NEW^PROVIDER^^^2345 LANE^^^BIG CITY^GUAM^12345^^^^"
^TMP("DSIO RENTRET",5292,2)="4^TEST P^PROVIDER^^^^^^^^^^^^^^"

VAH>D RENT^DSIO4(.RET,"F") ZW @RET
^TMP("DSIO RENTRET",5292,0)=2
^TMP("DSIO RENTRET",5292,1)="2^ANOTHER^FACILITY^^^^^^SOUTH DAKOTA^^^^^"
^TMP("DSIO RENTRET",5292,2)="3^TEST^FACILITY^^^^^^^^^^^^^^"

VAH>D RENT^DSIO4(.RET,1) ZW @RET
^TMP("DSIO RENTRET",5292,0)="1^NEW^PROVIDER^^^2345 LANE^^^BIG CITY^^12345^^^^^"

VAH>D RENT^DSIO4(.RET,"F","1,1") ZW @RET
^TMP("DSIO RENTRET",5292,0)=2
^TMP("DSIO RENTRET",5292,1)="2^ANOTHER^FACILITY^^^^^^SOUTH DAKOTA^^^^^"

VAH>D RENT^DSIO4(.RET,"F","2,1") ZW @RET
^TMP("DSIO RENTRET",5292,0)=2
^TMP("DSIO RENTRET",5292,1)="3^TEST^FACILITY^^^^^^^^^^^^^^"

VAH>D RENT^DSIO4(.RET,"F","1,2") ZW @RET
^TMP("DSIO RENTRET",5292,0)=2
^TMP("DSIO RENTRET",5292,1)="2^ANOTHER^FACILITY^^^^^^SOUTH DAKOTA^^^^^"
^TMP("DSIO RENTRET",5292,2)="3^TEST^FACILITY^^^^^^^^^^^^^^"

```

DSIO SELECT LIST

Reference Type

Category GENERAL

Description This RPC will return a list of entries, add an entry, or delete an entry from the DSIO TRACKING REASON or DSIO TRACKING SOURCE files.

Format SELECT^DSIO1 (.RET, TYP)

Input Parameters TYP: When this input parameter is set to “S” it will return a list of entries that are not marked as system from the DSIO TRACKING SOURCE file; likewise, it will do the same for the DSIO TRACKING REASON file when it is set to “R”.

To add an entry:

(S or R)^ENTRY NAME^A

To delete an entry:

(S or R)^ENTRY NAME^D

Output ARRAY

Success Multi Lines of the entry name.

Failure -1^ERROR MESSAGE

SELECT^DSIO1(.RET,TYP) — Example

```
VAH>K RET D SELECT^DSIO1(.RET,"S") ZW RET  
RET(0)="-1^No entries."
```

```
VAH>K RET D SELECT^DSIO1(.RET,"R") ZW RET  
RET(0)="Other"  
RET(1)="Postpartum/lactation"  
RET(2)="Pregnant"  
RET(3)="Problem List Pregnant"  
RET(4)="Rec Test"  
RET(5)="Test"
```

```
VAH>K RET D SELECT^DSIO1(.RET,"S^SOURCE^A") ZW RET  
RET(0)="Source"
```

```
VAH>K RET D SELECT^DSIO1(.RET,"R^TEST^D") ZW RET  
RET(0)="Other"  
RET(1)="Postpartum/lactation"  
RET(2)="Pregnant"  
RET(3)="Problem List Pregnant"  
RET(4)="Rec Test"
```

DSIO CREATE TRACKING LOG

Reference Type

Category TRACKING

Description This RPC creates a tracking log in the DSIO TRACKING HISTORY file. The ACTION(.02) used to create the entry may or may not change the status of the patient depending on their current TRACKING STATUS(.02) within the DSIO PATIENT file.

Format REC^DSIO1 (.RET, DFN, ACT, RES, .COM, SOR)

Input Parameters

DFN: Patient Internal Entry Number

ACT: This action represents the purpose of the entry and potentially the status of the patient.

'0' FOR STOP
'1' FOR START
'2' FOR FLAG
'3' FOR REJECT
'4' FOR ACCEPT

RES: A caret delimited string of human readable reasons as to why this tracking entry is being created. These reasons are also saved in the DSIO TRACKING REASON file.

RES="REASON 1^REASON 2"

COM: A list of formatted lines that will be identified as a comment and placed in a word processing field (COMMENT(2)) of the DSIO TRACKING HISTORY file. This is a simple numbered list.

COM(0)="This would be the first line of the comment."

SOR: This is the source or origin of the tracking entry. Some of the system entries are "DASHBOARD" and "FILEMAN". These entries are saved in the DSIO TRACKING SOURCE file.

Output SINGLE VALUE

Success	1^SUCCESS (One is not the IEN)
Failure	-1^ERROR MESSAGE

Note

When the Patient's TRACKING STATUS is:

0 – NO = No, the patient is not being tracked.

When the patient's tracking status is NO and a tracking entry of START is created the patient's status will become YES.

Likewise, if a tracking entry of FLAG were to be created the patient's tracking status would become FLAG.

Additionally, but not necessary, if an entry of STOP was created the tracking status would be set to NO.

1 – YES = Yes, the patient is being tracked.

When the patient's tracking status is YES a tracking entry of NO will change their status to NO. FLAG entries do not change the status of the patient when their status is YES; however, if a FLAG entry were to be rejected it would change the status of the patient to NO.

2 – FLAG = Please review, this patient may need to be tracked.

If a patient is set as FLAG then a tracking entry of ACCEPT will YES their status while a REJECT will NO their status.

Likewise, but not necessary, an entry of START or STOP will change their status to YES or NO respectively.

REC^DSIO1(.RET,DFN,ACT,RES,.COM,SOR) — Example

```

VAH>D Q^DI

VA FileMan 22.0

Select OPTION: 1  ENTER OR EDIT FILE ENTRIES

INPUT TO WHAT FILE: DSIO PATIENT//
EDIT WHICH FIELD: ALL//

Select DSIO PATIENT:      AYS,SHTS
PATIENT: AYS,SHTS//
TRACKING STATUS: FLAG//

VAH>S COM(0)="THIS IS A TEST COMMENT"

VAH>D REC^DSIO1(.RET,8,"START","TEST",.COM,"OTHER") ZW RET
RET="1^SUCCESS"

VAH>ZW ^DSIO(19641.2,8)
^DSIO(19641.2,8,0)=8
^DSIO(19641.2,8,1,0)="^19641.24D^2^2"
^DSIO(19641.2,8,1,1,0)="3140105.195605^2^10000000052^PROBLEM LIST"
^DSIO(19641.2,8,1,1,1,0)="^19641.241P^1^1"
^DSIO(19641.2,8,1,1,1,1,0)="PROBLEM LIST PREGNANT"
^DSIO(19641.2,8,1,1,1,1,"B","PROBLEM LIST PREGNANT",1)=""
^DSIO(19641.2,8,1,1,2,0)="^19641.242^1^1^3140205^"
^DSIO(19641.2,8,1,1,2,1,0)="PREGNANT PROBLEM DIAG SET IN CPRS"
^DSIO(19641.2,8,1,2,0)="3140205.185552^1^10000000329^OTHER"
^DSIO(19641.2,8,1,2,1,0)="^19641.241P^1^1"
^DSIO(19641.2,8,1,2,1,1,0)="TEST"
^DSIO(19641.2,8,1,2,1,1,"B","TEST",1)=""
^DSIO(19641.2,8,1,2,2,0)="^^1^1^3140205"
^DSIO(19641.2,8,1,2,2,1,0)="THIS IS A TEST COMMENT"
^DSIO(19641.2,8,1,"B",3140105.195605,1)=""
^DSIO(19641.2,8,1,"B",3140205.185552,2)=""

VAH>D Q^DI

VA FileMan 22.0

Select OPTION: 1  ENTER OR EDIT FILE ENTRIES

INPUT TO WHAT FILE: DSIO PATIENT//
EDIT WHICH FIELD: ALL//

Select DSIO PATIENT:      AYS,SHTS
PATIENT: AYS,SHTS//
TRACKING STATUS: YES//

```

DSIO GET TRACKING

Reference Type

Category TRACKING

Description This RPC will return a list of all tracking history entries, all currently tracked patients, all currently flagged patients, all entries for a patient, or all currently flagged entries for a patient.

Format TRCLIST^DSIO1(.RET,TYP, SORT)

Input Parameters

TYP: The type of search where TYP equals

- ALL – all logs
- T – all currently tracked patients
- F – all currently flagged patients
- DFN – all logs for a patient
- F# - all currently flagged logs for a patient where # = DFN

SORT: This input parameter must be formatted as PAGE#,COUNT# (the comma is required). The COUNT portion of this parameter will control how many entries in the list will be returned and the PAGE portion will identify the increment by COUNT of the entries returned. Thus if there are 4 entries, a SORT of 1,2 will be entries 1 and 2 and 2,2 will return entries 3 and 4.

Output**GLOBAL ARRAY**

Success

A list of entries when (in all cases the first piece is the identifier with “L” = Log (the second piece will then be the IENS of the historical entry), “C” = Comment, “P” = Patient (the second piece will then be the DFN of the patient).

TYP = (“”,ALL), DFN, “F”+DFN

Get all logs, Get all logs for a patient, Get currently flagged entries for a patient:

L ^ IEN ^ TRACKING DT(E) ^ DFN ^
 LASTNAME,FIRSTNAME ^ USER ^ ACTION ^
 SOURCE ^ REASON|REASON

C^IEN^COMMENT

TYP = “T”

Get all currently tracked patients:

P ^ DFN ^ LASTNAME,FIRSTNAME ^ LAST 4 ^ DOB
 ^ PHONE ^ EDD ^ OB ^ PLANNED DELV LOC ^
 CURRENTLY PREGNANT^CURRENTLY LACATING

TYP = “F”

Get all currently flagged patients:

P ^ DFN ^ LASTNAME,FIRSTNAME ^ LAST 4 ^ DOB
 ^ PHONE ^ REASON

Failure

-1^No entries found.

TRCLIST^DSIO1(.RET,TYP, SORT) — Example

```

VAH>K @RET D TRCLIST^DSIO1(.RET,"ALL") ZW @RET
^TMP(20708,"DSIO TRACK",0)=96
^TMP(20708,"DSIO TRACK",1)="L^2,8^2/5/2014@18:55:52^8^Ays,Shts^Fontana,Theo F^1^
Other^Test"
^TMP(20708,"DSIO TRACK",2)="C^2,8^THIS IS A TEST COMMENT"
^TMP(20708,"DSIO TRACK",3)="L^2,751^1/10/2014@14:47:53^751^Acmpatient,One^Roista
ff,Chief O^2^Dashboard^"
^TMP(20708,"DSIO TRACK",4)="L^1,100011^1/5/2014@19:58:56^100011^Phlutxy,Ixyyl^Cp
rsnurse,One^2^Problem List^Problem List Pregnant"
^TMP(20708,"DSIO TRACK",5)="C^1,100011^PREGNANT PROBLEM DIAG SET IN CPRS"
^TMP(20708,"DSIO TRACK",6)="L^1,8^1/5/2014@19:56:05^8^Ays,Shts^Cprsnurse,One^2^P
roblem List^Problem List Pregnant"
^TMP(20708,"DSIO TRACK",7)="C^1,8^PREGNANT PROBLEM DIAG SET IN CPRS"
^TMP(20708,"DSIO TRACK",8)="L^1,751^1/5/2014@19:09:42^751^Acmpatient,One^Roista
f,Chief O^2^Problem List^Problem List Pregnant"
^TMP(20708,"DSIO TRACK",9)="C^1,751^PREGNANT PROBLEM DIAG SET IN CPRS"

VAH>K @RET D TRCLIST^DSIO1(.RET,"T") ZW @RET
^TMP(20708,"DSIO TRACK",0)=1
^TMP(20708,"DSIO TRACK",1)="P^8^Ays,Shts^3333^3/15/1921^715-458-8777^EDD"

VAH>K @RET D TRCLIST^DSIO1(.RET,"F") ZW @RET
^TMP(20708,"DSIO TRACK",0)=4
^TMP(20708,"DSIO TRACK",1)="P^751^Acmpatient,One^0939^9/19/1939^^"
^TMP(20708,"DSIO TRACK",2)="P^500^Ccmpatient,^3744^5/4/1933^^"
^TMP(20708,"DSIO TRACK",3)="P^299^Hhp,Ixpy^2869^8/28/1969^8509998888^"
^TMP(20708,"DSIO TRACK",4)="P^100011^Phlutxy,Ixyyl^7655^7/8/1961^^Problem List P
regnant"

VAH>K @RET D TRCLIST^DSIO1(.RET,8) ZW @RET
^TMP(20708,"DSIO TRACK",0)=2
^TMP(20708,"DSIO TRACK",1)="L^2,8^2/5/2014@18:55:52^8^Ays,Shts^Fontana,Theo F^1^
Other^Test"
^TMP(20708,"DSIO TRACK",2)="C^2,8^THIS IS A TEST COMMENT"
^TMP(20708,"DSIO TRACK",3)="L^1,8^1/5/2014@19:56:05^8^Ays,Shts^Cprsnurse,One^2^P
roblem List^Problem List Pregnant"
^TMP(20708,"DSIO TRACK",4)="C^1,8^PREGNANT PROBLEM DIAG SET IN CPRS"

VAH>K @RET D TRCLIST^DSIO1(.RET,"F751") ZW @RET
^TMP(20708,"DSIO TRACK",0)=2
^TMP(20708,"DSIO TRACK",1)="L^2,751^1/10/2014@14:47:53^751^Acmpatient,One^Roista
ff,Chief O^2^Dashboard^"
^TMP(20708,"DSIO TRACK",2)="L^1,751^1/5/2014@19:09:42^751^Acmpatient,One^Roista
f,Chief O^2^Problem List^Problem List Pregnant"
^TMP(20708,"DSIO TRACK",3)="C^1,751^PREGNANT PROBLEM DIAG SET IN CPRS"

```

DSIO CREATE A NOTE

Reference Type

Category NOTES

Description This RPC creates a TIU Document and saves discreet data passed in through its fourth input parameter. The data is associated with the note and can be later retrieved simply by using the note IEN. This RPC uses TIU APIs and condenses many of them into one call which includes authentication, locking, and unlocking.

Format `CREATE^DSIO3(.RET,DFN,TITLE,.NOTE,.DATA,SUBJ)`

Input Parameters

DFN: Patient Internal Entry Number

TITLE: The name of the entry to the TIU DOCUMENT DEFINITION file (8925.1) whose TYPE(.04) is TITLE.

NOTE: A list of formatted lines that will be placed in the body of the note. This is a simple numbered list.

NOTE(0)="This would be the first line of the note."

DATA: A list of values to be saved discreetly and associated to the identified note. Each entry in this list consists of four pieces delimited by caret – TYPE^ID^FIELD^VALUE.

Where TYPE = S, M, WP which means single, multiple, and word processing.

ID is a unique number that associates multiple entries of the list to belong to one entry for VistA.

FIELD is the name of the caption or label that identifies the VALUE which is the fourth piece of a list entry.

EXAMPLE ARRAY:

(S,M,WP) ^ CONTROL ^ LABEL 1 ^ SOME VALUE ^ INDEX ^ NOTE TEXT

- M AND WP, AND HAVE REPEATED ENTRIES THAT WILL BE APPLIED TO ONE ENTRY

- IN THE CASE OF A "WP" OR A "M" THE NOTE TEXT ONLY HAS TO BE APPLIED TO ONE ENTRY PER CONTROL ENTRIES - THEY WILL BE PROCESSED AND CREATED AS A SINGLE ENTRY TO DSIO NOTE DATA.

SUBJ: The note subject (optional) – this is not the title.

Output**SINGLE VALUE**

Success

NOTE IEN¹¹

NOTE IEN = The TIU DOCUMENT IEN

1¹ = the page number and total number of pages of
the Note

Failure

0^ERROR MESSAGE

CREATE^DSIO3(.RET,DFN,TITLE,.NOTE,.DATA,SUBJ) — Example

```

VAH>S NOTE(0)="THE FIRST LINE"
VAH>S NOTE(1)="THE SECOND LINE"

VAH>S DATA(0)="S^^LABEL 1^SOME VALUE"
VAH>S DATA(1)="S^^LABEL 2^SOME OTHER VALUE"
VAH>S DATA(2)="M^1^M LABEL^VALUE 1"
VAH>S DATA(3)="M^1^M LABEL^VALUE 2"
VAH>S DATA(4)="WP^2^WP LABEL^THIS TYPE IS USED MORE FOR A FIELD THAT"
VAH>S DATA(5)="WP^2^WP LABEL^CONTAINS A LOT OF TEXT THAT'S MEANT TO BE READ"
VAH>S DATA(6)="WP^2^WP LABEL^TOGETHER."

VAH>D CREATE^DSIO3(.RET,8,"MCC NOTE",.NOTE,.DATA) ZW RET
RET="5156^1^1"

VAH>ZW ^DSIO(19641.41,+RET)
^DSIO(19641.41,5156,0)=5156
^DSIO(19641.41,5156,1,0)="^19641.411AV^4^4"
^DSIO(19641.41,5156,1,1,0)="19;DSIO(19641.43,"
^DSIO(19641.41,5156,1,2,0)="20;DSIO(19641.43,"
^DSIO(19641.41,5156,1,3,0)="18;DSIO(19641.44,"
^DSIO(19641.41,5156,1,4,0)="4;DSIO(19641.45,"
^DSIO(19641.41,5156,1,"B","18;DSIO(19641.44","3)="
^DSIO(19641.41,5156,1,"B","19;DSIO(19641.43","1)="
^DSIO(19641.41,5156,1,"B","20;DSIO(19641.43","2)="
^DSIO(19641.41,5156,1,"B","4;DSIO(19641.45","4)="

VAH>ZW ^DSIO(19641.44,18)
^DSIO(19641.44,18,0)="M LABEL"
^DSIO(19641.44,18,1,0)="^19641.46A^2^2"
^DSIO(19641.44,18,1,1,0)="VALUE 1"
^DSIO(19641.44,18,1,2,0)="VALUE 2"
^DSIO(19641.44,18,1,"B","VALUE 1",1)="
^DSIO(19641.44,18,1,"B","VALUE 2",2)="
^DSIO(19641.44,18,2)="5156^O^3140205.175114"

VAH>ZW ^DSIO(19641.43,19)
^DSIO(19641.43,19,0)="LABEL 1"
^DSIO(19641.43,19,1)="SOME VALUE"
^DSIO(19641.43,19,2)="5156^O^3140205.175114"

VAH>ZW ^DSIO(19641.43,20)
^DSIO(19641.43,20,0)="LABEL 2"
^DSIO(19641.43,20,1)="SOME OTHER VALUE"
^DSIO(19641.43,20,2)="5156^O^3140205.175114"

VAH>ZW ^DSIO(19641.45,4)
^DSIO(19641.45,4,0)="WP LABEL"
^DSIO(19641.45,4,1,0)="^^3^3^3140205"
^DSIO(19641.45,4,1,1,0)="THIS TYPE IS USED MORE FOR A FIELD THAT"
^DSIO(19641.45,4,1,2,0)="CONTAINS A LOT OF TEXT THAT'S MEANT TO BE READ"
^DSIO(19641.45,4,1,3,0)="TOGETHER."
^DSIO(19641.45,4,2)="5156^O^3140205.175114"

```

DSIO SIGN A NOTE

Reference Type

Category NOTES

Description This RPC is used to electronically sign a TIU Document.

Format SIGN^DSIO3(.RET,IEN,SIG)

Input Parameters IEN: Note (TIU DOCUMENT) internal entry number.

SIG: This is the user's electronic signature encrypted.

Output SINGLE VALUE

Success 1

Failure 0^ERROR MESSAGE

SIGN^DSIO3(.RET,IEN,SIG) — Example

```

VAH>D GET^DSIO3(.RET,5134) ZW @RET
^TMP("TIUVIEW",20708,1)=" LOCAL TITLE: MCC NOTE
"
^TMP("TIUVIEW",20708,2)="STANDARD TITLE: WOMENS HEALTH NOTE
"
^TMP("TIUVIEW",20708,3)="DATE OF NOTE: FEB 04, 2014@09:40:37 ENTRY DATE: FEB 04
, 2014@09:40:37
"
^TMP("TIUVIEW",20708,4)="          AUTHOR: FONTANA,THEO F          EXP COSIGNER:
"
^TMP("TIUVIEW",20708,5)="          URGENCY:          STATUS: UNSIGN
ED
"
^TMP("TIUVIEW",20708,6)="
"
^TMP("TIUVIEW",20708,7)="LINE 1"
^TMP("TIUVIEW",20708,8)="TEST FOR THE ACTUAL LINE ONE"
^TMP("TIUVIEW",20708,9)=" "
^TMP("TIUVIEW",20708,10)="
"
^TMP("TIUVIEW",20708,11)="
"
^TMP("TIUVIEW",20708,12)="
"
^TMP("TIUVIEW",20708,13)="----- DISCREET DATA FIELDS -----
--"
^TMP("TIUVIEW",20708,14)="LABEL 1: SOME VALUE"
^TMP("TIUVIEW",20708,15)="LABEL 2: SOME OTHER VALUE"
^TMP("TIUVIEW",20708,16)="M LABEL: VALUE 1"
^TMP("TIUVIEW",20708,17)="          VALUE 2"
^TMP("TIUVIEW",20708,18)="WP LABEL: THIS TYPE IS USED MORE FOR A FIELD THAT"
^TMP("TIUVIEW",20708,19)="          CONTAINS A LOT OF TEXT THAT'S MEANT TO BE RE
AD"
^TMP("TIUVIEW",20708,20)="          TOGETHER."

VAH>D SIGN^DSIO3(.RET,5134,$$ENCRYP^XUSRB1(123456))
..
VAH>D GET^DSIO3(.RET,5134) ZW @RET
^TMP("TIUVIEW",20708,1)=" LOCAL TITLE: MCC NOTE
"
^TMP("TIUVIEW",20708,2)="STANDARD TITLE: WOMENS HEALTH NOTE
"
^TMP("TIUVIEW",20708,3)="DATE OF NOTE: FEB 04, 2014@09:40:37 ENTRY DATE: FEB 04
, 2014@09:40:37
"
^TMP("TIUVIEW",20708,4)="          AUTHOR: FONTANA,THEO F          EXP COSIGNER:
"
^TMP("TIUVIEW",20708,5)="          URGENCY:          STATUS: COMPLE
TED
"
^TMP("TIUVIEW",20708,6)="
"
^TMP("TIUVIEW",20708,7)="LINE 1"
^TMP("TIUVIEW",20708,8)="TEST FOR THE ACTUAL LINE ONE"
^TMP("TIUVIEW",20708,9)=" "
^TMP("TIUVIEW",20708,10)="/es/ THEO F FONTANA"
^TMP("TIUVIEW",20708,11)="
"
^TMP("TIUVIEW",20708,12)="Signed: 02/06/2014 15:47"
^TMP("TIUVIEW",20708,13)="----- DISCREET DATA FIELDS -----
--"
^TMP("TIUVIEW",20708,14)="LABEL 1: SOME VALUE"
^TMP("TIUVIEW",20708,15)="LABEL 2: SOME OTHER VALUE"
^TMP("TIUVIEW",20708,16)="M LABEL: VALUE 1"
^TMP("TIUVIEW",20708,17)="          VALUE 2"
^TMP("TIUVIEW",20708,18)="WP LABEL: THIS TYPE IS USED MORE FOR A FIELD THAT"
^TMP("TIUVIEW",20708,19)="          CONTAINS A LOT OF TEXT THAT'S MEANT TO BE RE
AD"
^TMP("TIUVIEW",20708,20)="          TOGETHER."

```

DSIO MAKE ADDENDUM

Reference Type

Category	NOTES						
Description	This RPC allows the creation of addenda to TIU Documents; the user must first pass TIU Authentication.						
Format	ADDEN^DSIO3 (.RET, IEN, .NOTE, .DATA, SUBJ)						
Input Parameters	<p>IEN: Note (TIU DOCUMENT) internal entry number.</p> <p>NOTE: A list of formatted lines that will be placed in the body of the note. This is a simple numbered list. NOTE(0)="This would be the first line of the note."</p> <p>DATA: A list of values to be saved discreetly and associated to the identified note. Each entry in this list consists of four pieces delimited by caret – TYPE^ID^FIELD^VALUE. Where TYPE = S, M, WP which means single, multiple, and word processing. ID is a unique number that associates multiple entries of the list to belong to one entry for Vista. FIELD is the name of the caption or label that identifies the VALUE which is the fourth piece of a list entry. EXAMPLE ARRAY: (S,M,WP) ^ CONTROL ^ LABEL 1 ^ SOME VALUE ^ INDEX ^ NOTE TEXT - M AND WP, AND HAVE REPEATED ENTRIES THAT WILL BE APPLIED TO ONE ENTRY - IN THE CASE OF A "WP" OR A "M" THE NOTE TEXT ONLY HAS TO BE APPLIED TO ONE ENTRY PER CONTROL ENTRIES - THEY WILL BE PROCESSED AND CREATED AS A SINGLE ENTRY TO DSIO NOTE DATA.</p> <p>SUBJ: The note subject (optional) – this is not the title.</p>						
Output	<table> <tr> <th>SINGLE VALUE</th><th></th></tr> <tr> <td>Success</td><td>IEN ^ LAST PAGE ^ TOTAL PAGES</td></tr> <tr> <td>Failure</td><td>0^ERROR MESSAGE</td></tr> </table>	SINGLE VALUE		Success	IEN ^ LAST PAGE ^ TOTAL PAGES	Failure	0^ERROR MESSAGE
SINGLE VALUE							
Success	IEN ^ LAST PAGE ^ TOTAL PAGES						
Failure	0^ERROR MESSAGE						

ADDEN^DSIO3(.RET,IEN,.NOTE,.DATA,SUBJ) — Example

```

VAH>D GET^DSIO3(.RET,5177) ZW @RET
^TMP("TIUVIEW",10360,1)=" LOCAL TITLE: MCC NOTE
"
^TMP("TIUVIEW",10360,2)="STANDARD TITLE: WOMENS HEALTH NOTE
"
^TMP("TIUVIEW",10360,3)="DATE OF NOTE: FEB 13, 2014@09:50      ENTRY DATE: FEB 13
, 2014@09:50      "
^TMP("TIUVIEW",10360,4)="      AUTHOR: FONTANA,THEO F      EXP COSIGNER:
"
^TMP("TIUVIEW",10360,5)="      URGENCY:      STATUS: COMPLE
TED
"
^TMP("TIUVIEW",10360,6)=" "
^TMP("TIUVIEW",10360,7)=" *** MCC NOTE Has ADDENDA ***"
^TMP("TIUVIEW",10360,8)=" "
^TMP("TIUVIEW",10360,9)="NEWEST NOTE"
^TMP("TIUVIEW",10360,10)="TO BE HAD"
^TMP("TIUVIEW",10360,11)="NEW LINE"
^TMP("TIUVIEW",10360,12)=" "
^TMP("TIUVIEW",10360,13)=" /es/ THEO F FONTANA"
^TMP("TIUVIEW",10360,14)=" "
^TMP("TIUVIEW",10360,15)="Signed: 02/13/2014 09:50"
^TMP("TIUVIEW",10360,16)=" "
^TMP("TIUVIEW",10360,17)="02/13/2014 ADDENDUM      STATUS: UNSIG
NED"
^TMP("TIUVIEW",10360,18)="NEWEST NOTE"
^TMP("TIUVIEW",10360,19)="TO BE HAD"
^TMP("TIUVIEW",10360,20)="NEW LINE"
^TMP("TIUVIEW",10360,21)=" "
^TMP("TIUVIEW",10360,22)=" "
^TMP("TIUVIEW",10360,23)=" "
^TMP("TIUVIEW",10360,24)=" "
^TMP("TIUVIEW",10360,25)="----- DISCREET DATA FIELDS -----
--"
^TMP("TIUVIEW",10360,26)="NEXT CONTACT DATE: DEC 12,2014"

VAH>D GET^DSIO3(.RET,5178) ZW @RET
^TMP("TIUVIEW",10360,1)=" LOCAL TITLE: Addendum
"
^TMP("TIUVIEW",10360,2)="DATE OF NOTE: FEB 13, 2014@09:52:08  ENTRY DATE: FEB 13
, 2014@09:52:08  "
^TMP("TIUVIEW",10360,3)="      AUTHOR: FONTANA,THEO F      EXP COSIGNER:
"
^TMP("TIUVIEW",10360,4)="      URGENCY:      STATUS: UNSIGN
ED
"
^TMP("TIUVIEW",10360,5)=" "
^TMP("TIUVIEW",10360,6)="NEWEST NOTE"
^TMP("TIUVIEW",10360,7)="TO BE HAD"
^TMP("TIUVIEW",10360,8)="NEW LINE"
^TMP("TIUVIEW",10360,9)=" "
^TMP("TIUVIEW",10360,10)=" "
^TMP("TIUVIEW",10360,11)=" "
^TMP("TIUVIEW",10360,12)=" "
^TMP("TIUVIEW",10360,13)=" "
^TMP("TIUVIEW",10360,14)="=====
===== "
^TMP("TIUVIEW",10360,15)=" "
^TMP("TIUVIEW",10360,16)=" --- Original Document ---"
^TMP("TIUVIEW",10360,17)=" "
^TMP("TIUVIEW",10360,18)="02/13/14 MCC NOTE:"
^TMP("TIUVIEW",10360,19)="NEWEST NOTE"
^TMP("TIUVIEW",10360,20)="TO BE HAD"

```

```
^TMP("TIUVIEW",10360,21)="NEW LINE"  
^TMP("TIUVIEW",10360,22)=" "  
^TMP("TIUVIEW",10360,23)="/es/ THEO F FONTANA"  
^TMP("TIUVIEW",10360,24)=""  
^TMP("TIUVIEW",10360,25)="Signed: 02/13/2014 09:50"  
^TMP("TIUVIEW",10360,26)="----- DISCREET DATA FIELDS -----  
--"  
^TMP("TIUVIEW",10360,27)="NEXT CONTACT DATE: DEC 12,2014"
```

DSIO UPDATE A NOTE

Reference Type

Category NOTES

Description This RPC is used to update the body of a TIU document which requires TIU Authentication and if it passes it uses ADDEND. Thus in most cases the note must be signed in order to be updated.

Format SET^DSIO3 (.RET, IEN, .NOTE, .DATA, SUBJ)

Input Parameters

IEN: Note (TIU DOCUMENT) internal entry number.

NOTE: A list of formatted lines that will be placed in the body of the note. This is a simple numbered list.
NOTE(0)="This would be the first line of the note."

DATA: A list of values to be saved discreetly and associated to the identified note. Each entry in this list consists of four pieces delimited by caret – TYPE^ID^FIELD^VALUE.
Where TYPE = S, M, WP which means single, multiple, and word processing.
ID is a unique number that associates multiple entries of the list to belong to one entry for VistA.
FIELD is the name of the caption or label that identifies the VALUE which is the fourth piece of a list entry.
EXAMPLE ARRAY:
(S,M,WP) ^ CONTROL ^ LABEL 1 ^ SOME VALUE ^ INDEX ^ NOTE TEXT
- M AND WP, AND HAVE REPEATED ENTRIES THAT WILL BE APPLIED TO ONE ENTRY
- IN THE CASE OF A "WP" OR A "M" THE NOTE TEXT ONLY HAS TO BE APPLIED TO ONE ENTRY PER CONTROL ENTRIES - THEY WILL BE PROCESSED AND CREATED AS A SINGLE ENTRY TO DSIO NOTE DATA.

SUBJ: The note subject (optional) – this is not the title.

Output

SINGLE VALUE

Success IEN ^ LAST PAGE ^ TOTAL PAGES

Failure 0^ERROR MESSAGE

SET^DSIO3(.RET,IEN,.NOTE,.DATA,SUBJ) — Example

```

VAH>D CREATE^DSIO3(.RET,8,"MCC NOTE",.NOTE,.DATA) ZW RET
RET="5179^1^1"

VAH>D GET^DSIO3(.RET,5179) ZW @RET
^TMP("TIUVIEW",10360,1)=" LOCAL TITLE: MCC NOTE
"
^TMP("TIUVIEW",10360,2)="STANDARD TITLE: WOMENS HEALTH NOTE
"
^TMP("TIUVIEW",10360,3)="DATE OF NOTE: FEB 13, 2014@10:06:18 ENTRY DATE: FEB 13
, 2014@10:06:18 "
^TMP("TIUVIEW",10360,4)=" AUTHOR: FONTANA,THEO F EXP COSIGNER:
"
^TMP("TIUVIEW",10360,5)=" URGENCY: STATUS: UNSIGN
ED "
^TMP("TIUVIEW",10360,6)=" "
^TMP("TIUVIEW",10360,7)="NEWEST NOTE"
^TMP("TIUVIEW",10360,8)="TO BE HAD"
^TMP("TIUVIEW",10360,9)="NEW LINE"
^TMP("TIUVIEW",10360,10)=" "
^TMP("TIUVIEW",10360,11)=" "
^TMP("TIUVIEW",10360,12)=" "
^TMP("TIUVIEW",10360,13)=" "
^TMP("TIUVIEW",10360,14)="----- DISCREET DATA FIELDS -----
--"
^TMP("TIUVIEW",10360,15)="NEXT CONTACT DATE: DEC 12,2014"

VAH>ZW NOTE
NOTE(0)="NEWEST NOTE"
NOTE(1)="TO BE HAD"
NOTE(2)="NEW LINE"

VAH>S NOTE(3)="UPDATE A NOTE TEXT"

VAH>K RET D SET^DSIO3(.RET,5179,.NOTE) ZW RET
RET="5179^1^1"

VAH>D GET^DSIO3(.RET,5179) ZW @RET
^TMP("TIUVIEW",10360,1)=" LOCAL TITLE: MCC NOTE
"
^TMP("TIUVIEW",10360,2)="STANDARD TITLE: WOMENS HEALTH NOTE
"
^TMP("TIUVIEW",10360,3)="DATE OF NOTE: FEB 13, 2014@10:07:25 ENTRY DATE: FEB 13
, 2014@10:06:18 "
^TMP("TIUVIEW",10360,4)=" AUTHOR: FONTANA,THEO F EXP COSIGNER:
"
^TMP("TIUVIEW",10360,5)=" URGENCY: STATUS: UNSIGN
ED "
^TMP("TIUVIEW",10360,6)=" "
^TMP("TIUVIEW",10360,7)="NEWEST NOTE"
^TMP("TIUVIEW",10360,8)="TO BE HAD"
^TMP("TIUVIEW",10360,9)="NEW LINE"
^TMP("TIUVIEW",10360,10)="UPDATE A NOTE TEXT"
^TMP("TIUVIEW",10360,11)=" "
^TMP("TIUVIEW",10360,12)=" "
^TMP("TIUVIEW",10360,13)=" "
^TMP("TIUVIEW",10360,14)=" "
^TMP("TIUVIEW",10360,15)="----- DISCREET DATA FIELDS -----"
^TMP("TIUVIEW",10360,16)="NEXT CONTACT DATE: DEC 12,2014"

```

DSIO DELETE A NOTE

Reference Type

Category NOTES

Description This RPC allows a user to attempt to delete a note which must first pass TIU Authentication. Running this RPC without using the optional parameter, JUST, could fail the delete if TIU Authentication asks for it and so, must then be called again with justification.

Format DELETE^DSIO3 (.RET, IEN, JUST)

Input Parameters

IEN:	Note (TIU DOCUMENT) internal entry number.
JUST:	This is just a string of text that will be saved off as the reason as to why the user needs to delete the note.

Output SINGLE VALUE

Success	1^SUCCESS
Failure	-1^ERROR MESSAGE

DELETE^DSIO3(.RET,IEN,JUST) — Example

```
VAH>D DELETE^DSIO3(.RET,5179) ZW RET
RET=1
```

```
VAH>D GET^DSIO3(.RET,5179) ZW @RET
^TMP("DSIO TIUVIEW",10360,0)=0
```

DSIO GET RECORD TEXT

Reference Type

Category NOTES

Description This RPC will return the TIU Document body, header, or whole note.

Format GET^DSIO3 (.RET, IEN, TYP)

Input Parameters

IEN:	Note (TIU DOCUMENT) internal entry number.
TYP:	Pass null for whole note, “H” to return the header only, or “B” to return the body only.

Output GLOBAL ARRAY

Success	If null then return a list of formatted lines representing the TIU Document. If “H” then return a list of formatted lines representing the TIU Document with just the header. If “B” then return a list of formatted lines representing the TIU Document with just the body of the note.
Failure	-1

GET^DSIO3(.RET,IEN,TYP) — Example

```

VAH>K RET D GET^DSIO3(.RET,5158) ZW @RET
^TMP("TIUVIEW",20708,1)=" LOCAL TITLE: MCC NOTE
"
^TMP("TIUVIEW",20708,2)="STANDARD TITLE: WOMENS HEALTH NOTE
"
^TMP("TIUVIEW",20708,3)="DATE OF NOTE: FEB 06, 2014@11:06:15 ENTRY DATE: FEB 06
, 2014@11:06:15 "
^TMP("TIUVIEW",20708,4)=" AUTHOR: FONTANA,THEO F EXP COSIGNER:
"
^TMP("TIUVIEW",20708,5)=" URGENCY: STATUS: UNSIGN
ED
^TMP("TIUVIEW",20708,6)="
^TMP("TIUVIEW",20708,7)="LINE 1"
^TMP("TIUVIEW",20708,8)="LINE 2"
^TMP("TIUVIEW",20708,9)=" "
^TMP("TIUVIEW",20708,10)="
^TMP("TIUVIEW",20708,11)="
^TMP("TIUVIEW",20708,12)="
^TMP("TIUVIEW",20708,13)="----- DISCREET DATA FIELDS -----
--"
^TMP("TIUVIEW",20708,14)="LABEL 2: SOME OTHER VALUE"
^TMP("TIUVIEW",20708,15)="M LABEL: VALUE 1"
^TMP("TIUVIEW",20708,16)=" VALUE 2"
^TMP("TIUVIEW",20708,17)="NEXT CONTACT DATA: DEC 12,2014"
^TMP("TIUVIEW",20708,18)="WP LABEL: THIS TYPE IS USED MORE FOR A FIELD THAT"
^TMP("TIUVIEW",20708,19)=" CONTAINS A LOT OF TEXT THAT'S MEANT TO BE RE
AD"
^TMP("TIUVIEW",20708,20)=" TOGETHER."

VAH>D GET^DSIO3(.RET,5185) ZW @RET
^TMP("TIUVIEW",10360,1)=" LOCAL TITLE: MCC NOTE
"
^TMP("TIUVIEW",10360,2)="STANDARD TITLE: WOMENS HEALTH NOTE
"
^TMP("TIUVIEW",10360,3)="DATE OF NOTE: FEB 13, 2014@14:46:43 ENTRY DATE: FEB 13
, 2014@14:46:43 "
^TMP("TIUVIEW",10360,4)=" AUTHOR: FONTANA,THEO F EXP COSIGNER:
"
^TMP("TIUVIEW",10360,5)=" URGENCY: STATUS: COMPLE
TED
^TMP("TIUVIEW",10360,6)="
^TMP("TIUVIEW",10360,7)=" *** MCC NOTE Has ADDENDA ***"
^TMP("TIUVIEW",10360,8)="
^TMP("TIUVIEW",10360,9)="LINE 1"
^TMP("TIUVIEW",10360,10)=" "
^TMP("TIUVIEW",10360,11)=" /es/ THEO F FONTANA"
^TMP("TIUVIEW",10360,12)="
^TMP("TIUVIEW",10360,13)="Signed: 02/13/2014 14:47"
^TMP("TIUVIEW",10360,14)="
^TMP("TIUVIEW",10360,15)="02/13/2014 ADDENDUM STATUS: UNSIG
NED"
^TMP("TIUVIEW",10360,16)="LINE 1"
^TMP("TIUVIEW",10360,17)=" "
^TMP("TIUVIEW",10360,18)="
^TMP("TIUVIEW",10360,19)="
^TMP("TIUVIEW",10360,20)="
^TMP("TIUVIEW",10360,21)="----- ADDENDA -----
--"
^TMP("TIUVIEW",10360,22)="5188^Addendum^UNSIGNED^FEB 13, 2014@14:47:59^FONTANA,T
HEO F"

```

DSIO GET TIU NOTES

Reference Type

Category NOTES

Description This RPC will return a list of TIU Documents.

Format LIST^DSIO3(.RET,DFN,TITLES,FDT,TDT,SORT,DIR)

Input Parameters

DFN: Patient Internal Entry Number

TITLES: An array of TIU Document Definitions (8925.1) whose TYPE is TITLE.

FDT From Date

TDT To Date

SORT: This input parameter must be formatted as PAGE#,COUNT# (the comma is required). The COUNT portion of this parameter will control how many entries in the list will be returned and the PAGE portion will identify the increment by COUNT of the entries returned. Thus if there are 4 entries, a SORT of 1,2 will be entries 1 and 2 and 2,2 will return entries 3 and 4.

DIR Direction of return ("" or 1 is forward while -1 is reverse)

Output

GLOBAL ARRAY

Success Multi Lines of:

The zero node will return the total number of entries returned.

LIST ITEM ^ IEN ^ SUBJECT(1701) ^ STATUS(.05) ^
ENTRY DATE/TIME(1201) ^
AUTHOR/DICTATOR(1202) ^ VISIT LOCATION(1211)
^ LINKED DOC(.06)

Linked Document:

O:## = Original Document's IEN
A:## = Addenda Document's IEN

Failure -1^ERROR MESSAGE

LIST^DSIO3(.RET,DFN,TITLES,FDT,TDT,SORT,DIR) — Example

DSIO VPR GET PATIENT DATA

Reference Type

Category IHE

Description This RPC retrieves the requested data from VistA, and returns it in ^TMP("VPR",\$J,n) as XML.

This RPC utilizes VPR GET PATIENT DATA but overrides the creation of some sections so that they can provide the additional information for IHE and it adds sections that don't originally exist with VPR.

Please see VPR (Virtual Patient Record) for more information:
<http://www.va.gov/vdl/application.asp?appid=197>

Format GET^DSIO3V1 (.VPR, DFN, TYPE, START, STOP, MAX, ID, FILTER)

Input Parameters

DFN: Patient Internal Entry Number.

TYPE: The kind(s) of data to return, which may include: accession, allerg, appointment, clinicalproc, consult, demograph, document, factor, flag, immunization, skin, exam<>, educat, insur, polic, lab, panel, med, pharm, observ, order, patient, problem, procedure, reaction, surg, visit, vital, rad, xray, new, author, family, providers

START: The date/time from which to begin searching for data [optional].

STOP: The date/time at which to end searching for data [optional].

MAX: The maximum number of items to return per data type [optional].

ID: The identifier of a single item to return [optional, but TYPE must also be defined when used].

FILTER: List of name-value pairs, further refining the search.

Output

GLOBAL ARRAY

Success Text array formatted as XML

Failure Text array formatted as XML

GET^DSIO3V1(.VPR,DFN,TYPE,START,STOP,MAX,ID,FILTER) — Example

```

VAH>D GET^DSIO3V1(.RET,8,"author") ZW @RET
^TMP("VPR",13268,1)="<results version='1.1' timeZone='-0500' >"
^TMP("VPR",13268,2)="<author total='1' >"
^TMP("VPR",13268,3)="<current_user>"
^TMP("VPR",13268,4)="<address streetLine1='1155 MAIN ST' streetLine2='APT 207' c
ity='JUPITER' stateProvince='FLORIDA' postalCode='33458' />"
^TMP("VPR",13268,5)="<class value='TECHNICIAN' />"
^TMP("VPR",13268,6)="<facilities>"
^TMP("VPR",13268,7)="<facility code='500' name='VAMC ALBANY' latestDate='3140422
' domain='SMA.FO-ALBANY.MED.VA.GOV' >"
^TMP("VPR",13268,8)="<address streetLine1='VA MEDICAL CENTER' streetLine2='1 3R
D sT.' city='ALBANY' stateProvince='NEW YORK' postalCode='12180-0097' />"
^TMP("VPR",13268,9)="</facility>"
^TMP("VPR",13268,10)="</facilities>"
^TMP("VPR",13268,11)="<name value='FONTANA,THEO F' />"
^TMP("VPR",13268,12)="<npi value='' status='NEEDS ENTRY' />"
^TMP("VPR",13268,13)="<telecomList>"
^TMP("VPR",13268,14)="<telecom usageType='H' value='(850)291-6704' />"
^TMP("VPR",13268,15)="</telecomList>"
^TMP("VPR",13268,16)="<type value='FULL TIME' />"
^TMP("VPR",13268,17)="</current_user>"
^TMP("VPR",13268,18)="</author>"
^TMP("VPR",13268,19)="</results>"

```

DSIO IHE GET DOC

Reference Type

Category IHE

Description This RPC will return the contents of the DSIO IHE DOCUMENT file unless one is passed as the XML parameter in which case only the xml document will be returned.

Format DOC^DSIO3 (.RET, IEN, XML)

Input Parameters IEN: The internal entry number for entry in the DSIO IHE DOCUMENT file.

XML: If a one is passed then instead of return the information about the document the xml document itself will be returned.

Output GLOBAL ARRAY

Success FIELD ^ VALUE

If XML=1 then the contents of DOCUMENT CONTENT (2)

Failure -1

DOC^DSIO3(.RET,IEN,XML) — Example

DSIO IHE PATIENT LIST

Reference Type

Category IHE

Description This RPC will return a list of IHE Documents by patient.

Format LIST^DSIO3(.RET,DFN,SORT)

Input Parameters

DFN: Patient Internal Entry Number.

SORT: This input parameter must be formatted as PAGE#,COUNT# (the comma is required). The COUNT portion of this parameter will control how many entries in the list will be returned and the PAGE portion will identify the increment by COUNT of the entries returned. Thus if there are 4 entries, a SORT of 1,2 will be entries 1 and 2 and 2,2 will return entries 3 and 4.

Output GLOBAL ARRAY

Success Multi Lines of:

The zero node will return the total number of entries returned.

IEN^DATE OF CREATION^DATE OF
IMPORT/EXPORT^TYPE^DIRECTION^GUID^TITLE^
SENDING FAC^INTENDED RECIPIENT

Failure -1

LIST^DSIO3(.RET,DFN,SORT) — Example

```
VAH>D LIST^DSIO3A(.RET,715) ZW @RET
^TMP(13268,"DSIOIHEL",0)=5
^TMP(13268,"DSIOIHEL",1)="6^133456789123456789951236528747777777^DEC 17, 2013^AP
R 16, 2014@12:55:06^APHP^IN^DAMN TITLE^SENDING FACILITY^RECIPIENT"
^TMP(13268,"DSIOIHEL",2)="5^133456789123456789951236528745644444^DEC 17, 2013^AP
R 16, 2014@12:49:30^APHP^IN^DAMN TITLE^SENDING FACILITY^RECIPIENT"
^TMP(13268,"DSIOIHEL",3)="1^123456789123456789951236528745692315^MAR 25, 2014@10
:23^MAR 26, 2014@11:16:56^APHP^IN^ANTEPARTUM HISTORY & PHYSICAL^UNKNOWN^UNKNOWN"
^TMP(13268,"DSIOIHEL",4)="2^133456789123456789951236528745692315^MAR 25, 2014@10
:23^MAR 26, 2014@11:16:56^APHP^IN^ANTEPARTUM HISTORY & PHYSICAL^UNKNOWN^UNKNOWN"
^TMP(13268,"DSIOIHEL",5)="4^133456789123456789951236528745695555^DEC 17, 2013^DE
C 17, 2013^APHP^IN^DAMN TITLE^SENDING FACILITY^RECIPIENT"
```

DSIO IHE SAVE

Reference Type

Category IHE

Description This RPC will save an IHE Document and the information about it – data is validated before saving so there cannot be partial saves.

Format SAVE^DSIO3 (.RET, IEN, DFN, GUID, DIRECT, DTC, DTIE, DTYE, TITLE, FAC, REC, DOC)

Input Parameters IEN Internal entry number of the entry in the DSIO IHE DOCUMENT file.

DFN: Patient Internal Entry Number.

GUID: GUIDs identify objects such as interfaces, manager entry-point vectors (EPVs), and class objects. A GUID is a 128-bit value consisting of one group of 8 hexadecimal digits, followed by three groups of 4 hexadecimal digits each, followed by one group of 12 hexadecimal digits. The following example GUID shows the groupings of hexadecimal digits in a GUID: 6B29FC40-CA47-1067-B31D-00DD010662DA

DIRECT: I(N) or O(UT)

DTC: Date and time of creation.

DTIE: Date and time of import/export (optional). If not supplied then NOW will be used.

DTYE: Document Type – these types are stored within the DSIO IHE DOCUMENT TYPE file and must be within this file to pass validation.

TITLE: Free text of 1 to 100 characters in length.

FAC: Free text of 1 to 50 characters in length.

REC: Free text of 1 to 50 characters in length.

DOC: An array of XML representing the IHE Document.

Output

Success IENS ^ IEN/DFN

Failure -1^Error Message

SAVE^DSIO3A(.RET,IEN,DFN,GUID,DIRECT,DTC,DTIE,DTYPE,TITLE,FAC,REC,DOC) — Example

--

DSIO PATIENT INFORMATION

Reference Type

Category GENERAL

Description This RPC will return patient information by field number or name.

Format INFO^DSIO1(.RET,DFN,.LIST)

Input Parameters

DFN: Patient Internal Entry Number.

LIST:

- .01 PATIENT
- .02 TRACKING
- .03 NEXT CONTACT DATE
- .04 GP
- 999.01 SSN
- 999.02 DOB
- 999.03 PHONE NUMBER [RESIDENCE]
- 999.04 PHONE NUMBER [WORK]
- 999.05 PHONE NUMBER [CELLULAR]
- 999.06 PREGNANT
- 999.07 EDD
- 999.08 LAST PREGNANCY END
- 999.09 LAST PREGNANCY WITH LIVE BIRTH
- 999.1 MEDICALLY UNABLE TO CONCEIVE
- 999.11 TRYING TO BECOME PREGNANT
- 999.12 LAST MENSTRUAL PERIOD
- 999.13 CURRENTLY LACTATING

Output ARRAY

Success INPUT (FIELD #/NAME)^VALUE

Failure -1^Error Message

INFO^DSIO1(.RET,DFN,.LIST) — Example

```
VAH>ZW LIST
LIST(0)=.01
LIST(1)=.02
LIST(2)=.03
LIST(3)=.04
LIST(4)=999.01
LIST(5)=999.02
LIST(6)=999.03
LIST(7)=999.04
LIST(8)=999.05
LIST(9)=999.06
LIST(10)=999.07
LIST(11)=999.08
LIST(12)=999.09
LIST(13)=999.1
LIST(14)=999.11
LIST(15)=999.12
LIST(16)=999.13

VAH>D INFO^DSIO1(.RET,8,.LIST) ZW RET
RET(0)="01^AYS,SHTS"
RET(1)="02^FLAGGED"
RET(2)="03^12/12/2025"
RET(3)="04^G898"
RET(4)="999.01^101013333"
RET(5)="999.02^03/15/1921"
RET(6)="999.03^(715)458-8777"
RET(7)="999.04^"
RET(8)="999.05^"
RET(9)="999.06^YES"
RET(10)="999.07^11/20/2014"
RET(11)="999.08^"
RET(12)="999.09^"
RET(13)="999.1^"
RET(14)="999.11^NO"
RET(15)="999.12^AUG 14, 2014"
RET(16)="999.13^YES"
```


DSIO SAVE OBSERVATION

Reference Type

Category GENERAL

Description This RPC will save an entry in the DSIO OBSERVATIONS file. If the code passed in is an entry in the DSIO OBSERVATION PUSH file then the value will be pushed out from observations to the file and field or run the routine as indicated.

Format OBS^DSIO4P2 (.RET, DFN, IEN, PIEN, BIEN, DATE, CAT, SYS, CODE, DESC, VAL)

Input Parameters

DFN: Patient Internal Entry Number.

IEN: Internal entry number for the entry in the DSIO OBSERVATIONS file.

PIEN: Internal entry number for the entry in the DSIO PREGNANCY HISTORY file that is to be linked to this observation – it must be for the same patient.

BIEN: Internal entry number for the entry in the DSIO FETUS/BABY file this is linked to this observation – it must be for the same patient. If BIEN is present then PIEN should be as well.

DATE: The date of the observation.

CAT: The category that the observation falls under.

SYS: The coding system such as LNC (LOINC), SCT (SNOMED-CT), or OTHER.

CODE: The medical code.

DESC: A free text description of the observation.

VAL: The value relevant to the supplied code.

Output

SINGLE VALUE

Success	IEN
Failure	-1^Error Message

OBS^DSIO4P2(.RET,DFN,IEN,PIEN,BIEN,DATE,CAT,SYS,CODE,DESC,VAL) — Example

DSIO GET OBSERVATION

Reference Type

Category	GENERAL
Description	This RPC will return an entry or set of entries from the DSIO OBSERVATIONS file.
Format	OBG^DSIO4P2 (.RET, DFN, IEN, PIEN, BIEN, FDT, TDT, CAT, SORT)
Input Parameters	<p>DFN: Patient Internal Entry Number. Return by patient.</p> <p>IEN: Internal entry number for the entry in the DSIO OBSERVATIONS file. Return specific observation.</p> <p>PIEN: Internal entry number for the entry in the DSIO PREGNANCY HISTORY file that is to be linked to this observation – it must be for the same patient. Return by pregnancy.</p> <p>BIEN: Internal entry number for the entry in the DSIO FETUS/BABY file this is linked to this observation – it must be for the same patient. Return by fetus/baby.</p> <p>FDT: From date.</p> <p>TDT: To date.</p> <p>CAT: Return by category.</p> <p>SORT: This input parameter must be formatted as PAGE#,COUNT# (the comma is required). The COUNT portion of this parameter will control how many entries in the list will be returned and the PAGE portion will identify the increment by COUNT of the entries returned. Thus if there are 4 entries, a SORT of 1,2 will be entries 1 and 2 and 2,2 will return entries 3 and 4.</p>
Output	<p>GLOBAL ARRAY</p> <hr/> <p>Success IEN^DATE^PATIENT^DFN^BABY^BIEN^PREGNANCY^PIEN^CAT^CODE^SYS^UPDATE BY^UPDATE BY IEN^DESC^VAL</p> <p>Failure -1^Error Message</p>

OBG^DSIO4P2(.RET,DFN,IEN,PIEN,BIEN,FDT,TDT,CAT,SORT) — Example

DSIO GET PERSON

Reference Type

Category GENERAL

Description This RPC will return a person or list of people associated with a patient from the DSIO PERSON file or the patient's spouse.

Format PERSON^DSIO4P1 (.RET,DFN,FIND)

Input Parameters

DFN: Patient Internal Entry Number.

FIND: Person name in the form for LASTNAME,FIRSTNAME, their IEN, S or SPOUSE, or null to return all people associated with a DFN.

Output

ARRAY	
Success	An array with the first entry being the total number of People followed by caret delimited strings of: IEN^NAME^SEX^DOB^EDUCATION^STREET1^STREET2^STREET3^CITY^STATE^ZIP^PHONE HOME^PHONE CELL^PHONE WORK^PATIENT^DFN
Failure	-1^Error Message

PERSON^DSIO4P1(.RET,DFN,FIND) — Example

DSIO SAVE PERSON

Reference Type

Category GENERAL

Description This RPC will save identifying and contact information for a person and associate that person with a patient. For the purposes of Maternity Tracker these people are used as the Father of Fetus/Baby and are defaulted to male upon creation.

Format FFSAVE^DSIO4P1 (.RET, DFN, IEN, NAME, DOB, ADDR, PHONE, EDU)

Input Parameters

DFN: Patient Internal Entry Number.

IEN: Internal entry number for the entry in the DSIO PERSON file. The IEN has to be supplied if the entry is being deleted or edited.

NAME: The name of the person in the form of LASTNAME,FIRSTNAME.

DOB: Birth Date

ADDR The address array with each entry as name value pairs
 1 – street address 1
 2 – street address 2
 3 – street address 3
 City – city
 State – state
 Zip – zip code

PHONE The phone array with each entry as name value pairs
 H – Home
 MC – Mobile/Cell
 WP – Work
 FAX – Fax

EDU: Number of years of education.

Output

Success	IEN
Failure	-1^Error Message

FFSAVE^DSIO4P1(.RET,DFN,IEN,NAME,DOB,ADDR,PHONE,EDU) — Example

--

DSIO GET PREG DETAILS

Reference Type

Category GENERAL

Description This RPC will return the details of a specified, current, or list of pregnancies.

Format PREGG^DSIO4P2(.RET,DFN,IEN)

Input Parameters

DFN: Patient Internal Entry Number.

IEN: Internal entry number for the entry in the DSIO PREGNANCY HISTORY file. IEN can equal “C” in which case the current pregnancy will be returned. If null then all pregnancies associated with the patient will be returned.

Output ARRAY

Success IEN^STRT^PATIENT^DFN^TYP^FOF^FOF
IEN^EDD^END^OBP^OBP IEN^PFAC^PFAC
IEN^UPDATE BY^UPDATE BY IEN^BABY;IEN
|BABY;IEN

Failure -1^Error Message

PREGG^DSIO4P2(.RET,DFN,IEN) — Example

DSIO SAVE PREG DETAILS

Reference Type

Category GENERAL

Description This RPC will create, edit, or delete a pregnancy log.

Format PREG^DSIO4P2(.RET,DFN,IEN,STRT,TYP,FOF,EDD,END,OBP,PFAC)

Input Parameters

DFN:	Patient Internal Entry Number.
IEN:	Internal entry number for the entry in the DSIO PREGNANCY HISTORY file. It must be supplied if an entry is to be deleted or edited.
STRT:	The date the pregnancy began.
TYP:	The patient's current pregnancy or historical entry.
FOF:	The IEN to DSIO PERSON indicating that this person is the father of fetus/baby.
EDD:	The Estimated Delivery Date for this pregnancy.
END:	The date the pregnancy ended – this date does not have to mean delivery date.
OBP:	The IEN to the DSIO NON-VA ENTITIES file indicating the external OB.
PFAC:	The IEN to the DSIO NON-VA ENTITIES file indicating the external facility.

Output

SINGLE VALUE

Success	IEN
Failure	-1^Error Message

PREG^DSIO4P2(.RET,DFN,IEN,STRT,TYP,FOF,EDD,END,OBP,PFAC) — Example

DSIO GET NOTE ELEMENT

Reference Type

Category GENERAL

Description This RPC will return a single or multiple discreet data elements linked to a TIU note.

Format GETDATA^DSIO3A(.RET,IEN,FLD)

Input Parameters

IEN: Internal entry number for TIU DOCUMENT or note.

FLD: The discreet data FIELD name associated with the note IEN or, if null, all elements associated with the note will be returned.

Output

ARRAY	
Success	COMPONENT^DATE^VALUE
Failure	-1^Error Message

GETDATA^DSIO3A(.RET,IEN,FLD) — Example

--