

ADT Bed Control (Registration Package) Refactoring API

Release 1.01

PricewaterhouseCoopers, LLC (PwC) on behalf of
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Abstract

As part of the Open Source Electronic Health Record (EHR) Services project's refactoring effort funded by the VA, we have successfully refactored the Registration package Admission, Discharge, and Transfer (ADT) Bed Control module code. The purpose of this document is to describe what work we have done in terms of code changes for all interested stakeholders.

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1. Introduction

The overarching goal of any code changes we implement is to make the Veterans Health Information Systems and Technology Architecture (VistA) code more modular and readable without altering functionality. Problem List was chosen as the first module to be refactored because it has a moderate number of dependencies to other packages, allowing our team to finalize a refactoring strategy and allocate ample time for certification. To date we have completed a Problem List package and a Scheduling package including both the Appointment Management module and Supervisor Menu module. All of these packages have been submitted as Technical Journals.

The work done with ADT Bed Control Menu exposes Bed Control menu functionality through application programming interface (API) entry points. Each API entry point checks various error conditions and otherwise implements the same functionality that exists in the Roll-and-Scroll Interface with user interaction. Only three variables (DT, U, and DUZ) are assumed in this API code. The actual database (global) access is also isolated in dedicated routines. All the API entry points that are developed during this refactoring effort are described below.

2. Code Walkthrough

Unless otherwise noted, all date formats are internal FileMan format (e.g. 3120121 = Jan 21, 2012). Various utility methods to handle internal date format, including conversions from/to human readable forms, are available in the [Kernel Developer's Guide](#) and [Fileman Programmer Manual](#).

\$ADMIT^DGPMAP1() – Admit patient

This extrinsic function creates a new admission.

Format

\$ADMIT^DGPMAP1(.RETURN,.PARAM)

Input Parameters

.RETURN [Required,Boolean] Set to IEN of the new admission if the update succeeded, 0 otherwise

RETURN(0) – [String] Error code^Text

PARAM("PATIENT")	[Required,Numeric] Patient IEN
PARAM("DATE")	[Required, DateTime] Admission date
PARAM("TYPE")	[Required,Numeric] Admission type (one of the codes returned by LSTADTYP^DGPMAP17)
PARAM("ADMREG")	[Required,Numeric] Admitting regulation (one of the codes returned by LSTADREG^DGPMAP19)
PARAM("ATNDPHY")	[Required,Numeric] Attending physician (one of the active providers returned by LSTPROV^DGPMAP19)
PARAM("FDEXC")	[Required,Boolean] Set to 1 if patient wants to be excluded from Facility Directory for this admission
PARAM("FTSPEC")	[Required,Numeric] Facility treating specialty (one of the codes returned by LSTFTS^DGPMAP19)
PARAM("SHDIAG")	[Required,String] A brief description of the diagnosis (3-30 chars)
PARAM("WARD")	[Required,Numeric] Ward location (one of the active ward locations returned by LSTWARD^DGPMAP17)
PARAM("ADMSCC")	[Optional,Boolean] Set to 1 if patient is admitted for service connected condition

PARAM("ADMSRC")	[Optional,Numeric] Source of admission (one of the codes returned by LSTADSRC^DGPMAP17)
PARAM("ELIGIB")	[Optional,Numeric] Admitting eligibility (one of the patient eligibility code returned by LSTPELIG^DGPMAP19)
PARAM("PRYMPHY")	[Optional,Numeric] Primary physician (one of the active providers returned by LSTPROV^DGPMAP19)
PARAM("ROOMBED")	[Optional,Numeric] Roombed (one of the active room-bed, assigned to the selected ward location, returned by LSTWBED^DGPMAP17)
PARAM("ADMCAT")	[Optional,Numeric] Admitting Category (one of the active Sharing Agreement Sub-Category returned by LSTACAT^DGSAAPI, to add a new Sub-Category use ADDACAT^DGSAAPI)
PARAM("SCADM")	[Optional,Boolean] Set to 1 if this admission is a result of a previously scheduled admission
PARAM("DIAG",#)	[Optional,String] Array of diagnoses

Output

A Boolean value signaling if the call was successful or not.

Error Codes Returned

FILELOCK	Record in use. Try again in a few moments.
TIMEUSD	There is already a movement at that date/time entered for this patient.
INVPARM	Invalid parameter value ...
PATNFND	Patient not found.
ADMPAHAD	Patient already has an active admission.
AREGNFND	Admitting regulation not found.
AREGINAC	Admitting regulation is inactive.
MVTTNFND	Movement type not found.
MVTTINAC	Movement type is inactive.
ADMINVAT	Invalid admission type.
SHDGINV	Invalid diagnosis, must be 3-30 characters long.
WRDNFND	Ward not found.
WRDINVGL	Ward's 'G&L Order' field is not valid.
WRDINACT	Ward is inactive.

BEDNFND	Bed not found.
WRDCNASB	Ward cannot assign this bed.
BEDINACT	Bed is inactive.
BEDOCC	Bed is occupied.
SACNFND	Sharing Agreement Category not found
ACATINAC	Admitting category is inactive.
FTSNFND	Facility treating specialty not found.
FTSINAC	Facility treating specialty is inactive.
PROVNFND	Provider not found.
PROVINAC	... is not an active provider.
ASRCNFND	Source of admission not found.

\$\$UPDADM^DGPMAP1() – Update patient admission

This extrinsic function updates an existing admission.

Format

\$\$UPDADM^DGPMAP1(.RETURN,.PARAM,AFN)

Input Parameters

.RETURN [Required, Boolean] Set to 1 if the update succeeded, 0 otherwise

RETURN(0) – [String] Error code^Text

PARAM("DATE")	[Optional, DateTime] Admission date
PARAM("TYPE")	[Optional, Numeric] Admission type (one of the codes returned by LSTADTYP^DGPMAP17)
PARAM("ADMREG")	[Optional, Numeric] Admitting regulation (one of the codes returned by LSTADREG^DGPMAP19)
PARAM("ATNDPHY")	[Optional, Numeric] Attending physician (one of the active providers returned by LSTPROV^DGPMAP19)
PARAM("FDEXC")	[Optional, Boolean] Set to 1 if patient wants to be excluded from Facility Directory for this admission
PARAM("FTSPEC")	[Optional, Numeric] Facility treating specialty (one of the codes returned by LSTFTS^DGPMAP19)
PARAM("SHDIAG")	[Optional, String] A brief description of the diagnosis (3-30 chars)

PARAM("WARD")	[Optional,Numeric] Ward location (one of the active ward locations returned by LSTWARD^DGPMAP17)
PARAM("ADMSCC")	[Optional,Boolean] Set to 1 if patient is admitted for service connected condition
PARAM("ADMSRC")	[Optional,Numeric] Source of admission (one of the codes returned by LSTADSRC^DGPMAP17)
PARAM("ELIGIB")	[Optional,Numeric] Admitting eligibility (one of the patient eligibility code returned by LSTPELIG^DGPMAP19)
PARAM("PRYMPHY")	[Optional,Numeric] Primary physician (one of the active providers returned by LSTPROV^DGPMAP19)
PARAM("ROOMBED")	[Optional,Numeric] Roombed (one of the active room-bed, assigned to the selected ward location, returned by LSTWBED^DGPMAP17)
PARAM("ADMCAT")	[Optional,Numeric] Admitting Category (one of the active Sharing Agreement Sub-Category returned by LSTACAT^DGSAAPI, to add a new Sub-Category use ADDACAT^DGSAAPI)
PARAM("SCADM")	[Optional,Boolean] Set to 1 if this admission is a result of a previously scheduled admission
PARAM("DIAG",#)	[Optional,String] Array of the diagnosis
AFN	[Required,Numeric] Admission IEN

Output

A Boolean value signaling if the call was successful or not.

Error Codes Returned

FILELOCK	Record in use. Try again in a few moments.
INVPARM	Invalid parameter value ...
ADMNFND	Admission not found.
ADMMBBNM	There is a ... movement on file for this patient on ...
AREGNFND	Admitting regulation not found.
AREGINAC	Admitting regulation is inactive.
MVTTNFND	Movement type not found.
MVTTINAC	Movement type is inactive.
ADMINVAT	Invalid admission type.

SHDGINV Invalid diagnosis, must be 3-30 characters long.

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WRDNFND	Ward not found.
WRDINVGL	Ward's 'G&L Order' field is not valid.
WRDINACT	Ward is inactive.
BEDNFND	Bed not found.
SACNFND	Sharing Agreement Category not found
ACATINAC	Admitting category is inactive.
WRDCNASB	Ward cannot assign this bed.
BEDINACT	Bed is inactive.
BEDOCC	Bed is occupied.
FTSNFND	Facility treating specialty not found.
FTSINAC	Facility treating specialty is inactive.
PROVNFND	Provider not found.
PROVINAC	... is not an active provider.
ASRCNFND	Source of admission not found.

\$DELADM^DGPMAP1() – Delete patient admission

This extrinsic function deletes an existing admission.

Format

\$DELADM^DGPMAP1(.RETURN,AFN)

Input Parameters

.RETURN [Required,Boolean] Set to 1 if the update succeeded, 0 otherwise

RETURN(0) – [String] Error code^Text

AFN [Required,Numeric] Admission IEN

Output

A Boolean value signaling if the call was successful or not.

Error Codes Returned

FILELOCK Record in use. Try again in a few moments.

INVPARM Invalid parameter value ...

ADMNFND Admission not found.

CANDASIH Cannot delete before ASIH transfer are removed.

CANMDDF Must delete discharge first.

CANDWPTF Cannot delete while PTF Census record ... is closed.

\$\$TRANSF^DGPMAP12() – Transfer patient

This extrinsic function creates a new transfer and the corresponding movements depending on movement type.

Format

\$\$TRANSF^DGPMAP12(.RETURN,.PARAM)

Input Parameters

.RETURN [Required,Boolean] Set to IEN of the new transfer if the update succeeded, 0 otherwise

RETURN(0) – [String] Error code^Text

PARAM("ADMIFN") [Required,Numeric] Admission IEN

PARAM("DATE") [Required, DateTime] Transfer date

PARAM("TYPE") [Required,Numeric] Transfer type (one of the codes returned by LSTTRTYP^DGPMAP17)

Depending on movement type will accept the following parameters:

If movement type is 'INTERWARD TRANSFER':

PARAM("WARD") [Required,Numeric] Ward location (one of the active ward locations returned by LSTWARD^DGPMAP17)

PARAM("ROOMBED") [Optional,Numeric] Roombed (one of the active room-bed, assigned to the selected ward location, returned by LSTWBED^DGPMAP17)

PARAM("FTSPEC") [Optional,Numeric] Facility treating specialty (one of the codes returned by LSTFTS^DGPMAP19)

PARAM("ATNDPHY") [Optional,Numeric] Attending physician (one of the active providers returned by LSTPROV^DGPMAP19)

PARAM("PRYMPHY") [Optional,Numeric] Primary physician (one of the active providers returned by LSTPROV^DGPMAP19)

PARAM("DIAG",#) [Optional,String] Array of the diagnosis

If movement type is 'TO ASIH':

PARAM("WARD") [Required,Numeric] Ward location (one of the active ward locations returned by LSTWARD^DGPMAP17)

PARAM("ROOMBED") [Optional,Numeric] Roombed (one of the active room-bed, assigned to the selected ward location, returned by LSTWBED^DGPMAP17)

PARAM("FDEXC")	[Required,Boolean] Set to 1 if patient wants to be excluded from Facility Directory for this admission
PARAM("ADMREG")	[Required,Numeric] Admitting regulation (one of the codes returned by LSTADREG^DGPMAP19)
PARAM("SHDIAG")	[Required,String] A brief description of the diagnosis (3-30 chars)
PARAM("FTSPEC")	[Required,Numeric] Facility treating specialty (one of the codes returned by LSTFTS^DGPMAP19)
PARAM("ATNDPHY")	[Required,Numeric] Attending physician (one of the active providers returned by LSTPROV^DGPMAP19)
PARAM("ADMSCC")	[Optional,Boolean] Set to 1 if patient is admitted for service connected condition
PARAM("ADMSRC")	[Optional,Numeric] Source of admission (one of the codes returned by LSTADSRC^DGPMAP17)
PARAM("PRYMPHY")	[Optional,Numeric] Primary physician (one of the active providers returned by LSTPROV^DGPMAP19)
PARAM("DIAG",#)	[Optional,String] Array of the diagnosis
If movement type is 'AUTHORIZED ABSENCE', 'UNAUTHORIZED ABSENCE' or 'AUTH ABSENCE 96 HOURS OR LESS':	
PARAM("RABSDT")	[Optional,Numeric] Absence return date
If movement type is 'FROM UNAUTHORIZED ABSENCE', 'FROM AUTHORIZED ABSENCE' or 'FROM AUTH. ABSENCE OF 96 HOURS OR LESS':	
PARAM("ROOMBED")	[Optional,Numeric] Roombed (one of the active room-bed, assigned to the selected ward location, returned by LSTWBED^DGPMAP17)
PARAM("FTSPEC")	[Required,Numeric] Facility treating specialty (one of the codes returned by LSTFTS^DGPMAP19)
PARAM("ATNDPHY")	[Required,Numeric] Attending physician (one of the active providers returned by LSTPROV^DGPMAP19)
PARAM("PRYMPHY")	[Optional,Numeric] Primary physician (one of the active providers returned by LSTPROV^DGPMAP19)
PARAM("DIAG",#)	[Optional,String] Array of the diagnosis
If movement type is 'FROM AUTHORIZED TO UNAUTHORIZED ABSENCE' or 'FROM UNAUTHORIZED TO AUTHORIZED ABSENCE':	

If movement type is 'TO ASIH (OTHER FACILITY)', 'CHANGE ASIH LOCATION (OTHER FACILITY)':

PARAM("FCTY") [Required,Numeric] Transfer facility (one of the codes returned by LSTFCTY^DGPMAP17)

Output

A Boolean value signaling if the call was successful or not.

Error Codes Returned

FILELOCK	Record in use. Try again in a few moments.
INVPARM	Invalid parameter value ...
TIMEUSD	There is already a movement at that date/time entered for this patient.
TRANBADM	Not before admission movement.
TRANADIS	Not after discharge movement.
MVTTNFND	Movement type not found.
MVTTINAC	Movement type is inactive.
TRAINVAT	Invalid transfer type.
ADMPAHAD	Patient already has an active admission.
AREGNFND	Admitting regulation not found.
AREGINAC	Admitting regulation is inactive.
SHDGINV	Invalid diagnosis, must be 3-30 characters long.
WRDNFND	Ward not found.
WRDINVGL	Ward's 'G&L Order' field is not valid.
WRDINACT	Ward is inactive.
BEDNFND	Bed not found.
BEDINACT	Bed is inactive.
BEDOCC	Bed is occupied.
FTSNFND	Facility treating specialty not found.
FTSINAC	Facility treating specialty is inactive.
PROVNFND	Provider not found.
PROVINAC	... is not an active provider.
ASRCNFND	Source of admission not found.

ASHWINVS	Invalid ward service for this type of movement
TFCNFND	Transfer facility not found.
TFCINAC	Transfer facility is inactive.

\$\$UPDTRA^DGPMAP2() – Update transfer

This extrinsic function updates an existing transfer.

Format

\$\$UPDTRA^DGPMAP2(.RETURN,.PARAM,TFN)

Input Parameters

.RETURN	[Required,Boolean] Set to 1 if the update succeeded, 0 otherwise
RETURN(0) –	[String] Error code^Text
PARAM("DATE")	[Optional, DateTime] Transfer date
PARAM("TYPE")	[Optional,Numeric] Transfer type (one of the codes returned by LSTRTYP^DGPMAP7)
PARAM("WARD")	[Optional,Numeric] Ward location (one of the active ward locations returned by LSTWARD^DGPMAP7)
PARAM("ROOMBED")	[Optional,Numeric] Roombed (one of the active room-bed, assigned to the selected ward location, returned by LSTWBED^DGPMAP7)
PARAM("FTSPEC")	[Optional,Numeric] Facility treating specialty (one of the codes returned by LSTFTS^DGPMAP9)
PARAM("ATNDPHY")	[Optional,Numeric] Attending physician (one of the active providers returned by LSTPROV^DGPMAP9)
PARAM("PRYMPHY")	[Optional,Numeric] Primary physician (one of the active providers returned by LSTPROV^DGPMAP9)
PARAM("DIAG",#)	[Optional,String] Array of the diagnosis
TFN	[Required,Numeric] Transfer IEN

Output

A Boolean value signaling if the call was successful or not.

Error Codes Returned

FILELOCK	Record in use. Try again in a few moments.
INVPARM	Invalid parameter value ...
TRANFND	Transfer not found.

TRANBADM Not before admission movement.

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TRANADIS	Not after discharge movement.
MVTTNFND	Movement type not found.
MVTTINAC	Movement type is inactive.
TRAINVAT	Invalid transfer type.
WRDNFND	Ward not found.
WRDINVGL	Ward's 'G&L Order' field is not valid.
WRDINACT	Ward is inactive.
BEDNFND	Bed not found.
BEDINACT	Bed is inactive.
BEDOCC	Bed is occupied.
FTSNFND	Facility treating specialty not found.
FTSINAC	Facility treating specialty is inactive.
PROVNFND	Provider not found.
PROVINAC	... is not an active provider.

\$DELTRA^DGPMAP12() – Delete transfer

This extrinsic function deletes an existing transfer.

Format

\$DELTRA^DGPMAP12(.RETURN,TFN)

Input Parameters

.RETURN [Required,Boolean] Set to 1 if the update succeeded, 0 otherwise

RETURN(0) – [String] Error code^Text

TFN [Required,Numeric] Transfer IEN

Output

A Boolean value signaling if the call was successful or not.

Error Codes Returned

FILELOCK Record in use. Try again in a few moments.

TRANFND Transfer not found.

DELTMDTA Must delete through corresponding hospital admission

DELTCDWD Cannot delete while discharge exists

DELTCDPC Cannot delete when corresponding admission PTF closed out

DELTMMRF ... movement must be removed first

\$\$DISCH^DGPMAP13() – Discharge patient

This extrinsic function creates a new discharge.

Format

\$\$DISCH^DGPMAP13(.RETURN,.PARAM)

Input Parameters

.RETURN [Required, Boolean] Set to IEN of the new discharge if the update succeeded, 0 otherwise

RETURN(0) – [String] Error code^Text

PARAM("DATE") [Required, DateTime] Discharge date

PARAM("TYPE") [Required, Numeric] Discharge type (one of the codes returned by LSTDTP^DGPMAP17)

PARAM("ADMIFN") [Required, Numeric] Admission IEN

If the movement type's field 'ask specialty at movement' is set to 1:

PARAM("FCTY") [Required, Numeric] Transfer facility (one of the codes returned by LSTFCTY^DGPMAP17)

Output

A Boolean value signaling if the call was successful or not.

Error Codes Returned

FILELOCK Record in use. Try again in a few moments.

INVPARM Invalid parameter value ...

ADMNFND Admission not found.

TIMEUSD There is already a movement at that date/time entered for this patient.

DCHPADON Patient already discharged on...

TRANBADM Not before admission movement

DCHNBLM Not before last movement

DSCNMVTD There is no movement type define for ...

MVTTNFND Movement type not found.

MVTTINAC Movement type is inactive.

DISINVAT Invalid discharge type.

\$\$UPDDSCH^DGPMAP13() – Update discharge

This extrinsic function updates an existing discharge.

Format

\$\$UPDDSCH^DGPMAP13(.RETURN,.PARAM,DMFN)

Input Parameters

.RETURN [Required, Boolean] Set to 1 if the update succeeded, 0 otherwise

RETURN(0) – [String] Error code^Text

PARAM("DATE") [Required, DateTime] Discharge date

PARAM("TYPE") [Required, Numeric] Discharge type (one of the codes returned by LSTDTP^DGPMAP17)

DMFN [Required, Numeric] Discharge IEN

Output

A Boolean value signaling if the call was successful or not.

Error Codes Returned

FILELOCK Record in use. Try again in a few moments.

TIMEUSD There is already a movement at that date/time entered for this patient.

DCHNFND Discharge not found.

DCHNBLM Not before last movement

INVPARM Invalid parameter value ...

MVTTNFND Movement type not found.

MVTTINAC Movement type is inactive.

DISINVAT Invalid discharge type.

\$\$DELDSCH^DGPMAP13() – Delete discharge

This extrinsic function deletes an existing discharge.

Format

\$\$DELDSCH^DGPMAP13(.RETURN,DMFN)

Input Parameters

.RETURN [Required, Boolean] Set to 1 if the update succeeded, 0 otherwise

RETURN(0) – [String] Error code^Text

DMFN [Required, Numeric] Discharge IEN

Output

A Boolean value signaling if the call was successful or not.

Error Codes Returned

FILELOCK	Record in use. Try again in a few moments.
DCHNFND	Discharge not found.
DCHCDWAH	You can not delete a WHILE ASIH type discharge
DCHDTCNH	Delete through corresponding NHCU/DOM movements
DCHCDOLA	Can only delete discharge for last admission
DCHDODLM	You can only remove a discharge when it is the last movement for the patient.
DCHMDHDF	You must delete the hospital discharge first.

\$\$\$LDGIN^DGPMAP14() – Check-in Lodger

This extrinsic function creates a new check-in movement.

Format

\$\$\$LDGIN^DGPMAP14(.RETURN,.PARAM)

Input Parameters

.RETURN [Required,Boolean] Set to IEN of the new check-in if the update succeeded, 0 otherwise

RETURN(0) – [String] Error code^Text

PARAM("PATIENT")	[Required,Numeric] Patient IEN
PARAM("DATE")	[Required, DateTime] Check-in date
PARAM("TYPE")	[Required,Numeric] Check-in type (one of the codes returned by LSTCITYP^DGPMAP17)
PARAM("LDGRSN")	[Required,Numeric] Reason for check-in (one of the codes returned by LSTLRSN^DGPMAP17)
PARAM("LDGCOMM")	[Optional,String] Additional check-in comment.

Depending on the MAS movement type of the check-in type will accept the following parameters:

If MAS movement type is 'CHECK-IN LODGER':

PARAM("WARD")	[Required,Numeric] Ward location (one of the active ward locations returned by LSTWARD^DGPMAP17)
PARAM("ROOMBED")	[Optional,Numeric] Roombed (one of the active room-bed, assigned to the selected ward location, returned by LSTWBED^DGPMAP17)

If MAS movement type is 'CHECK-IN LODGER (OTHER FACILITY)':

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PARAM("FCTY") [Required,Numeric] Transfer facility (one of the codes returned by LSTFCTY^DGPMAP17)

Output

A Boolean value signaling if the call was successful or not.

Error Codes Returned

FILELOCK	Record in use. Try again in a few moments.
TIMEUSD	There is already a movement at that date/time entered for this patient.
INVPARM	Invalid parameter value ...
PATNFND	Patient not found.
LDGPINP	Patient is an inpatient... you can not a lodger movement!
LDGPALD	Patient is already a lodger
ADMMBBNM	There is a ... movement on file for this patient on
MVTTNFND	Movement type not found.
MVTTINAC	Movement type is inactive.
ADMINVAT	Invalid check-in type.
SHDGINV	Invalid diagnosis, must be 3-30 characters long.
WRDNFND	Ward not found.
WRDINVGL	Ward's 'G&L Order' field is not valid.
WRDINACT	Ward is inactive.
BEDNFND	Bed not found.
WRDCNASB	Ward cannot assign this bed.
BEDINACT	Bed is inactive.
BEDOCC	Bed is occupied.
TFCNFND	Transfer facility not found.
TFCINAC	Transfer facility is inactive.
RSNNFND	Reason for lodging not found.

\$\$UPDLDGIN^DGPMAP14() – Update check-in movement

This extrinsic function updates an existing check-in movement.

Format

\$\$UPDLGIN^DGPMAP14(.RETURN,.PARAM,AFN)

Input Parameters

.RETURN [Required, Boolean] Set to 1 if the update succeeded, 0 otherwise

RETURN(0) – [String] Error code^Text

PARAM("DATE") [Optional, DateTime] Check-in date

PARAM("TYPE") [Optional, Numeric] Check-in type (one of the codes returned by LSTCITYP^DGPMAP17)

PARAM("LDGRSN") [Optional, Numeric] Reason for check-in (one of the codes returned by LSTLRN^DGPMAP17)

PARAM("LDGCOMM") [Optional, String] Additional check-in comment.

Depending on the MAS movement type of the check-in type will accept the following parameters:

If MAS movement type is 'CHECK-IN LODGER':

PARAM("WARD") [Optional, Numeric] Ward location (one of the active ward locations returned by LSTWARD^DGPMAP17)

PARAM("ROOMBED") [Optional, Numeric] Roombed (one of the active room-bed, assigned to the selected ward location, returned by LSTWBED^DGPMAP17)

If MAS movement type is 'CHECK-IN LODGER (OTHER FACILITY)':

PARAM("FCTY") [Optional, Numeric] Transfer facility (one of the codes returned by LSTFCTY^DGPMAP17)

AFN [Required, Numeric] Check-in IEN

Output

A Boolean value signaling if the call was successful or not.

Error Codes Returned

FILELOCK Record in use. Try again in a few moments.

MVTNFND Movement not found.

TIMEUSD There is already a movement at that date/time entered for this patient.

INVPARM Invalid parameter value ...

ADMMBBNM There is a ... movement on file for this patient on

MVTTNFND Movement type not found.

MVTTINAC Movement type is inactive.

ADMINVAT	Invalid check-in type.
SHDGINV	Invalid diagnosis, must be 3-30 characters long.
WRDNFND	Ward not found.
WRDINVGL	Ward's 'G&L Order' field is not valid.
WRDINACT	Ward is inactive.
BEDNFND	Bed not found.
WRDCNASB	Ward cannot assign this bed.
BEDINACT	Bed is inactive.
BEDOCC	Bed is occupied.
TFCNFND	Transfer facility not found.
TFCINAC	Transfer facility is inactive.
RSNNFND	Reason for lodging not found.

\$DELLDGIN^DGPMAP4() – Delete check-in movement

This extrinsic function deletes an existing check-in movement.

Format

`$DELLDGIN^DGPMAP4(.RETURN,AFN)`

Input Parameters

.RETURN [Required, Boolean] Set to 1 if the update succeeded, 0 otherwise

`RETURN(0) – [String] Error code^Text`

AFN [Required, Numeric] Check-in movement IEN

Output

A Boolean value signaling if the call was successful or not.

Error Codes Returned

FILELOCK Record in use. Try again in a few moments.

MVTNFND Movement not found.

\$LDGOUT^DGPMAP5() – Lodger Check-out

This extrinsic function creates a new lodger check-out movement.

Format

`$LDGOUT^DGPMAP5(.RETURN,.PARAM)`

Input Parameters

.RETURN [Required, Boolean] Set to 1 if the update succeeded, 0 otherwise

RETURN(0) – [String] Error code^Text

PARAM("ADMIFN") [Required, Numeric] Check-in movement IEN

PARAM("DATE") [Required, DateTime] Check-out date

PARAM("TYPE") [Optional, Numeric] Check-out type (one of the codes returned by LSTCOTYP^DGPMAP17)

PARAM("LDGDISP") [Required, String] Check-out disposition (one of the codes returned by LSTLDIS^DGPMAP17)

Output

A Boolean value signaling if the call was successful or not.

Error Codes Returned

FILELOCK Record in use. Try again in a few moments.

TIMEUSD There is already a movement at that date/time entered for this patient.

INVPARM Invalid parameter value ...

MVTNFND Movement not found.

DCHPADON Patient already discharged on...

TRANBADM Not before check-in movement!

DCHNBLM Not before last movement

MVTTNFND Movement type not found.

MVTTINAC Movement type is inactive.

ADMINVAT Invalid check-out type.

\$\$UPDLDGOU^DGPMAP15() – Update check-out movement

This extrinsic function updates an existing check-out movement.

Format

\$\$UPDLDGOU^DGPMAP15(.RETURN,.PARAM,COFN)

Input Parameters

.RETURN [Required, Boolean] Set to 1 if the update succeeded, 0 otherwise

RETURN(0) – [String] Error code^Text

PARAM("DATE") [Optional, DateTime] Check-out date

PARAM("TYPE")	[Optional,Numeric] Check-out type (one of the codes returned by LSTCOTYP^DGPMAP17)
PARAM("LDGDISP")	[Optional,String] Check-out disposition (one of the codes returned by LSTLDIS^DGPMAP17)
COFN	[Required,Numeric] Check-out IEN

Output

A Boolean value signaling if the call was successful or not.

Error Codes Returned

FILELOCK	Record in use. Try again in a few moments.
MVTNFND	Movement not found.
TIMEUSD	There is already a movement at that date/time entered for this patient.
INVPARM	Invalid parameter value ...
ADMMBBNM	There is a ... movement on file for this patient on
TRANBADM	Not before check-in movement
MVTTNFND	Movement type not found.
MVTTINAC	Movement type is inactive.
ADMINVAT	Invalid check-in type.

\$DELDDGOU^DGPMAP15() – Delete check-out movement

This extrinsic function deletes an existing check-out movement.

Format

\$DELDDGOU^DGPMAP15(.RETURN,COFN)

Input Parameters

.RETURN	[Required,Boolean] Set to 1 if the update succeeded, 0 otherwise
	RETURN(0) – [String] Error code^Text
COFN	[Required,Numeric] Check-out movement IEN

Output

A Boolean value signaling if the call was successful or not.

Error Codes Returned

FILELOCK	Record in use. Try again in a few moments.
MVTNFND	Movement not found.
DCHCDOLA	Can only delete check-out for last check-in.

DCHDODLM You can only remove a check-out when it is the last movement for the patient

\$\$FTS^DGPMAP16() – Treating specialty transfer

This extrinsic function creates a new treating specialty transfer.

Format

\$\$FTS^DGPMAP16(.RETURN,.PARAM)

Input Parameters

.RETURN [Required,Boolean] Set to IEN of the new transfer if the update succeeded, 0 otherwise

RETURN(0) – [String] Error code^Text

PARAM("ADMIFN") [Required,Numeric] Admission IEN

PARAM("DATE") [Required, DateTime] Treating specialty transfer date

PARAM("ATNDPHY") [Required,Numeric] Attending physician (one of the active providers returned by LSTPROV^DGPMAP19)

PARAM("FTSPEC") [Required,Numeric] Facility treating specialty (one of the codes returned by LSTFTS^DGPMAP19)

PARAM("PRYMPHY") [Optional,Numeric] Primary physician (one of the active providers returned by LSTPROV^DGPMAP19)

Output

A Boolean value signaling if the call was successful or not.

Error Codes Returned

FILELOCK Record in use. Try again in a few moments.

TIMEUSD There is already a movement at that date/time entered for this patient.

INVPARM Invalid parameter value ...

MVTNFND Movement not found.

TRANBADM Not before admission movement.

TRANADIS Not after discharge movement.

FTSNFND Facility treating specialty not found.

FTSINAC Facility treating specialty is inactive.

PROVNFND Provider not found.

PROVINAC ... is not an active provider.

\$\$UPDFTS^DGPMAP16() – Update treating specialty transfer

This extrinsic function updates an existing treating specialty transfer.

Latest version available at the [OSEHRA Journal](http://hdl.handle.net/10909/70) <http://hdl.handle.net/10909/70>

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Format

\$\$UPDFTS^DGPMAP16(.RETURN,.PARAM,MFN)

Input Parameters

.RETURN [Required, Boolean] Set to 1 if the update succeeded, 0 otherwise

RETURN(0) – [String] Error code^Text

PARAM("DATE") [Required, DateTime] Treating specialty transfer date

PARAM("ATNDPHY") [Required, Numeric] Attending physician (one of the active providers returned by LSTPROV^DGPMAP19)

PARAM("FTSPEC") [Required, Numeric] Facility treating specialty (one of the codes returned by LSTFTS^DGPMAP19)

PARAM("PRYMPHY") [Optional, Numeric] Primary physician (one of the active providers returned by LSTPROV^DGPMAP19)

MFN [Required, Numeric] Treating specialty transfer IEN

Output

A Boolean value signaling if the call was successful or not.

Error Codes Returned

FILELOCK Record in use. Try again in a few moments.

MVTNFND Movement not found.

TIMEUSD There is already a movement at that date/time entered for this patient.

INVPARM Invalid parameter value ...

TRANBADM Not before admission movement.

TRANADIS Not after discharge movement.

FTSNFND Facility treating specialty not found.

FTSINAC Facility treating specialty is inactive.

PROVNFND Provider not found.

PROVINAC ... is not an active provider.

\$\$PROVCH^DGPMAP16() – Provider change

This extrinsic function creates a new provider change transfer.

Format

\$\$PROVCH^DGPMAP16(.RETURN,.PARAM)

Input Parameters

.RETURN [Required,Boolean] Set to IEN of the new transfer if the update succeeded, 0 otherwise

RETURN(0) – [String] Error code^Text

PARAM("ADMIFN") [Required,Numeric] Admission IEN

PARAM("DATE") [Required, DateTime] Provider change date

PARAM("ATNDPHY") [Required,Numeric] Attending physician (one of the active providers returned by LSTPROV^DGPMAP19)

PARAM("PRYMPHY") [Optional,Numeric] Primary physician (one of the active providers returned by LSTPROV^DGPMAP19)

Output

A Boolean value signaling if the call was successful or not.

Error Codes Returned

FILELOCK Record in use. Try again in a few moments.

TIMEUSD There is already a movement at that date/time entered for this patient.

INVPARM Invalid parameter value ...

MVTNFND Movement not found.

TRANBADM Not before admission movement.

TRANADIS Not after discharge movement.

PROVNFND Provider not found.

PROVINAC ... is not an active provider.

\$\$UPDPC^DGPMAP16() – Update provider change transfer

This extrinsic function updates an existing provider change transfer.

Format

\$\$UPDPC^DGPMAP16(.RETURN,.PARAM,MFN)

Input Parameters

.RETURN [Required,Boolean] Set to 1 if the update succeeded, 0 otherwise

RETURN(0) – [String] Error code^Text

PARAM("DATE") [Required, DateTime] Provider change date

PARAM("ATNDPHY") [Required,Numeric] Attending physician (one of the active providers returned by LSTPROV^DGPMAP19)

PARAM("PRYMPHY") [Optional,Numeric] Primary physician (one of the active providers

returned by LSTPROV^DGPMAP19)

MFN [Required,Numeric] Provider change transfer IEN

Output

A Boolean value signaling if the call was successful or not.

Error Codes Returned

FILELOCK	Record in use. Try again in a few moments.
MVTNFND	Movement not found.
TIMEUSD	There is already a movement at that date/time entered for this patient.
INVPARM	Invalid parameter value ...
TRANBADM	Not before admission movement.
TRANADIS	Not after discharge movement.
PROVNFND	Provider not found.
PROVINAC	... is not an active provider.

\$\$DELFTS^DGPMAP16() - Delete specialty transfer

This extrinsic function deletes an existing specialty transfer (treating specialty transfer or provider change movement).

Format

\$\$DELFTS^DGPMAP15(.RETURN,MFN)

Input Parameters

.RETURN	[Required,Boolean] Set to 1 if the update succeeded, 0 otherwise
	RETURN(0) – [String] Error code^Text
MFN	[Required,Numeric] Specialty transfer IEN

Output

A Boolean value signaling if the call was successful or not.

Error Codes Returned

FILELOCK	Record in use. Try again in a few moments.
RPMNFND	Related physical movement not found.
CANDRPM	You are not allowed to delete a specialty transfer that is associated with the initial admission movement.

\$\$LSTLDIS^DGPMAP17() - List check-out disposition types

This extrinsic function returns a list of check-out disposition types.

Format

`$$LSTLDIS^DGPMAP17(.RETURN)`

Input Parameters

`.RETURN` [Required,Array] Array passed by reference that will receive the data

`RETURN(0)` – [Numeric] # of entries found

`RETURN(#)` – [String] code^display_name

Output

A Boolean value signaling if the call was successful or not.

Error Codes Returned

None

\$\$LSTPROV^DGPMAP19() - List active providers filtered by name

This extrinsic function returns a list of active providers on specified date. The list can be filtered by name.

Format

`$$LSTPROV^DGPMAP19(.RETURN,SEARCH,START,NUMBER,DGDT)`

Input Parameters

`.RETURN` [Required,Array] Array passed by reference that will receive the data

`RETURN(0)` – [String] # of entries found^maximum requested^any more?^flags

(consistent with LIST^DIC header node)

`RETURN(,"ID")` – [Numeric] Provider IEN

`RETURN(,"NAME")` – [String] Provider name

`RETURN(,"INITIAL")` – [String] Provider initials

`RETURN(,"TITLE")` – [String] Provider title

`SEARCH` [Optional,String] Partial match restriction. Default: All entries

`START` [Optional,String] The entry from which to begin the list. Default: ""

`NUMBER` [Optional,Numeric] Number of entries to return. Default: All entries

`DGDT` [Optional, DateTime] if not set returns active providers for today otherwise for specified date

Output

A Boolean value signaling if the call was successful or not.

Error Codes Returned

`INVPARM` Invalid parameter value - DGDT

\$\$LSTADREG^DGPMAP19() - List admitting regulations filtered by name

This extrinsic function returns a list of admitting regulations. The list can be filtered by name.

Format

\$\$LSTADREG^DGPMAP19(.RETURN,SEARCH,START,NUMBER)

Input Parameters

.RETURN	[Required,Array] Array passed by reference that will receive the data
	RETURN(0) – [String] # of entries found^maximum requested^any more?^flags (consistent with LIST^DIC header node)
	RETURN(1,"ID") – [Numeric] Admitting regulation IEN
	RETURN(2,"NAME") – [String] Admitting regulation name
	RETURN(3,"CFR") – [String] Admitting regulation code
SEARCH	[Optional,String] Partial match restriction. Default: All entries
START	[Optional,String] The entry from which to begin the list. Default: ""
NUMBER	[Optional,Numeric] Number of entries to return. Default: All entries

Output

A Boolean value signaling if the call was successful or not.

Error Codes Returned

None

\$\$LSTFTS^DGPMAP19() - List active facility treating specialties filtered by name

This extrinsic function returns a list of active facility treating specialties. The list can be filtered by name.

Format

\$\$LSTFTS^DGPMAP19(.RETURN,SEARCH,START,NUMBER,DGDT)

Input Parameters

.RETURN	[Required,Array] Array passed by reference that will receive the data
	RETURN(0) – [String] # of entries found^maximum requested^any more?^flags (consistent with LIST^DIC header node)
	RETURN(1,"ID") – [Numeric] Facility treating specialty IEN
	RETURN(2,"NAME") – [String] Facility treating specialty name
	RETURN(3,"SPEC") – [String] Specialty IEN^specialty name
SEARCH	[Optional,String] Partial match restriction. Default: All entries

START	[Optional,String] The entry from which to begin the list. Default: ""
NUMBER	[Optional,Numeric] Number of entries to return. Default: All entries
DGDT	[Optional, DateTime] if not set returns active facility treating specialties for today otherwise for specified date

Output

A Boolean value signaling if the call was successful or not.

Error Codes Returned

INVPARM Invalid parameter value - DGDT

\$LSTADSRC^DGPMAP17() - List sources of admission filtered by name or by code

This extrinsic function returns a list of sources of admission. The list can be filtered by name or by code.

Format

\$LSTADSRC^DGPMAP17(.RETURN,SEARCH,START,NUMBER)

Input Parameters

.RETURN	[Required,Array] Array passed by reference that will receive the data
	RETURN(0) – [String] # of entries found^maximum requested^any more?^flags (consistent with LIST^DIC header node)
	RETURN(1,"ID") – [Numeric] Source of admission IEN
	RETURN(2,"CODE") – [String] Source of admission PTF code
	RETURN(3,"NAME") – [String] Source of admission name
	RETURN(4,"PLACE") – [String] Source of admission place (internal^external format)
SEARCH	[Optional,String] Partial match restriction. Default: All entries
START	[Optional,String] The entry from which to begin the list. Default: ""
NUMBER	[Optional,Numeric] Number of entries to return. Default: All entries

Output

A Boolean value signaling if the call was successful or not.

Error Codes Returned

None

\$LSTADTYP^DGPMAP17() - List admission types filtered by name

This extrinsic function returns a list of available admission types for a patient at a time. The list can be filtered by name.

Format

`$$LSTADTYP^DGPMAP17(.RETURN,SEARCH,START,NUMBER,DFN,DGDT,MFN)`

Input Parameters

.RETURN	[Required,Array] Array passed by reference that will receive the data
	RETURN(0) – [String] # of entries found^maximum requested^any more?^flags (consistent with LIST^DIC header node)
	RETURN(#, "ID") – [Numeric] Admission type IEN
	RETURN(#, "NAME") – [String] Admission type name
	RETURN(#, "TYPE") – [Numeric] Transaction type IEN^transaction type name
	RETURN(#, "STATUS") – [Boolean] Admission type status^display name
SEARCH	[Optional,String] Partial match restriction. Default: All entries
START	[Optional,String] The entry from which to begin the list. Default: ""
NUMBER	[Optional,Numeric] Number of entries to return. Default: All entries
DFN	[Required,Numeric] Patient IEN
DGDT	[Optional,DateTime] if not set returns the list of today's available admission types for specified patient, otherwise on specified date
MFN	[Optional,Numeric] Admission IEN. If is set returns the list of possible admission types for an existing admission

Output

A Boolean value signaling if the call was successful or not.

Error Codes Returned

INVPARM	Invalid parameter value ...
PATNFND	Patient not found.
MVTNFND	Movement not found.

\$\$LSTTRTYP^DGPMAP17() - List transfer types filtered by name

This extrinsic function returns a list of available transfer types for a patient at a time. The list can be filtered by name.

Format

`$$LSTTRTYP^DGPMAP17(.RETURN,SEARCH,START,NUMBER,DFN,DGDT,MFN)`

Input Parameters

.RETURN	[Required,Array] Array passed by reference that will receive the data
---------	---

RETURN(0) – [String] # of entries found^maximum requested^any more?^flags

(consistent with LIST^DIC header node)

RETURN(#, "ID") – [Numeric] Transfer type IEN

RETURN(#, "NAME") – [String] Transfer type name

RETURN(#, "TYPE") – [Numeric] Transaction type IEN^transaction type name

RETURN(#, "STATUS") – [Boolean] Transfer type status^display name

SEARCH	[Optional,String] Partial match restriction. Default: All entries
START	[Optional,String] The entry from which to begin the list. Default: ""
NUMBER	[Optional,Numeric] Number of entries to return. Default: All entries
DFN	[Required,Numeric] Patient IEN
DGDT	[Optional,DateTime] if not set returns the list of today's available transfer types for specified patient, otherwise on specified date
MFN	[Optional,Numeric] Transfer IEN. If is set returns the list of possible transfer types for an existing transfer

Output

A Boolean value signaling if the call was successful or not.

Error Codes Returned

INVPARM	Invalid parameter value ...
PATNFND	Patient not found.
MVTNFND	Movement not found.

\$\$LSTDTYP^DGPMAP17() - List discharge types filtered by name

This extrinsic function returns a list of available discharge types for a patient at a time. The list can be filtered by name.

Format

\$\$LSTDTYP^DGPMAP17(.RETURN,SEARCH,START,NUMBER,DFN,DGDT,MFN)

Input Parameters

.RETURN	[Required,Array] Array passed by reference that will receive the data
RETURN(0)	– [String] # of entries found^maximum requested^any more?^flags (consistent with LIST^DIC header node)
RETURN(#, "ID")	– [Numeric] Discharge type IEN

	RETURN(,"NAME") – [String] Discharge type name
	RETURN(,"TYPE") – [Numeric] Transaction type IEN^transaction type name
	RETURN(,"STATUS") – [Boolean] Discharge type status^display name
SEARCH	[Optional,String] Partial match restriction. Default: All entries
START	[Optional,String] The entry from which to begin the list. Default: ""
NUMBER	[Optional,Numeric] Number of entries to return. Default: All entries
DFN	[Required,Numeric] Patient IEN
DGDT	[Optional,DateTime] if not set returns the list of today's available discharge types for specified patient, otherwise on specified date
MFN	[Optional,Numeric] Discharge IEN. If is set returns the list of possible discharge types for an existing discharge

Output

A Boolean value signaling if the call was successful or not.

Error Codes Returned

INVPARM	Invalid parameter value ...
PATNFND	Patient not found.
MVTNFND	Movement not found.

\$LSTCITYP^DGPMAP17() - List check-in types filtered by name

This extrinsic function returns a list of available check-in types for a patient at a time. The list can be filtered by name.

Format

\$LSTCITYP^DGPMAP17(.RETURN,SEARCH,START,NUMBER,DFN,DGDT,MFN)

Input Parameters

.RETURN	[Required,Array] Array passed by reference that will receive the data
	RETURN(0) – [String] # of entries found^maximum requested^any more?^flags (consistent with LIST^DIC header node)
	RETURN(,"ID") – [Numeric] Admission type IEN
	RETURN(,"NAME") – [String] Admission type name
	RETURN(,"TYPE") – [Numeric] Transaction type IEN^transaction type name
	RETURN(,"STATUS") – [Boolean] Check-in type status^display name

SEARCH	[Optional,String] Partial match restriction. Default: All entries
START	[Optional,String] The entry from which to begin the list. Default: ""
NUMBER	[Optional,Numeric] Number of entries to return. Default: All entries
DFN	[Required,Numeric] Patient IEN
DGDT	[Optional,DateTime] if not set returns the list of today's available check-in types for specified patient, otherwise on specified date
MFN	[Optional,Numeric] Check-in IEN. If is set returns the list of possible check-in types for an existing check-in movement

Output

A Boolean value signaling if the call was successful or not.

Error Codes Returned

INVPARM	Invalid parameter value ...
PATNFND	Patient not found.
MVTNFND	Movement not found.

\$LSTCOTYP^DGPMAP17() - List check-out types filtered by name

This extrinsic function returns a list of available check-out types for a patient at a time. The list can be filtered by name.

Format

\$LSTCOTYP^DGPMAP17(.RETURN,SEARCH,START,NUMBER,DFN,DGDT,MFN)

Input Parameters

.RETURN	[Required,Array] Array passed by reference that will receive the data
	RETURN(0) – [String] # of entries found^maximum requested^any more?^flags (consistent with LIST^DIC header node)
	RETURN(#,"ID") – [Numeric] Admission type IEN
	RETURN(#,"NAME") – [String] Admission type name
	RETURN(#,"TYPE") – [Numeric] Transaction type IEN^transaction type name
	RETURN(#,"STATUS") – [Boolean] Check-out type status^display name
SEARCH	[Optional,String] Partial match restriction. Default: All entries
START	[Optional,String] The entry from which to begin the list. Default: ""
NUMBER	[Optional,Numeric] Number of entries to return. Default: All entries

DFN	[Required,Numeric] Patient IEN
DGDT	[Optional,DateTime] if not set returns the list of today's available check-out types for specified patient, otherwise on specified date
MFN	[Optional,Numeric] Check-in IEN. If is set returns the list of possible check-out types for an existing check-out movement

Output

A Boolean value signaling if the call was successful or not.

Error Codes Returned

INVPARM	Invalid parameter value ...
PATNFND	Patient not found.
MVTNFND	Movement not found.

\$\$LSTFCTY^DGPMAP17() - List transfer facilities filtered by name

This extrinsic function returns a list of transfer facilities. The list can be filtered by name.

Format

\$\$LSTFCTY^DGPMAP17(.RETURN,SEARCH,START,NUMBER)

Input Parameters

.RETURN	[Required,Array] Array passed by reference that will receive the data
	RETURN(0) – [String] # of entries found^maximum requested^any more?^flags (consistent with LIST^DIC header node)
	RETURN(1,"ID") – [Numeric] Transfer facility IEN
	RETURN(2,"NAME") – [String] Transfer facility name
	RETURN(3,"STATE") – [String] Transfer facility state
	RETURN(4,"TYPE") – [String] Transfer facility type
SEARCH	[Optional,String] Partial match restriction. Default: All entries
START	[Optional,String] The entry from which to begin the list. Default: ""
NUMBER	[Optional,Numeric] Number of entries to return. Default: All entries

Output

A Boolean value signaling if the call was successful or not.

Error Codes Returned

None

\$\$LSTLRN^DGPMAP17() - List reasons for lodging filtered by name

This extrinsic function returns a list of reasons for lodging. The list can be filtered by name.

Format

\$\$LSTLRN^DGPMAP17(.RETURN,SEARCH,START,NUMBER)

Input Parameters

.RETURN	[Required,Array] Array passed by reference that will receive the data
	RETURN(0) – [String] # of entries found^maximum requested^any more?^flags (consistent with LIST^DIC header node)
	RETURN(,"ID") – [Numeric] Reason for lodging IEN
	RETURN(,"NAME") – [String] Reason for lodging name
SEARCH	[Optional,String] Partial match restriction. Default: All entries
START	[Optional,String] The entry from which to begin the list. Default: ""
NUMBER	[Optional,Numeric] Number of entries to return. Default: All entries

Output

A Boolean value signaling if the call was successful or not.

Error Codes Returned

None

\$\$LSTWARD^DGPMAP17() - List wards filtered by name

This extrinsic function returns a list of available wards. The list can be filtered by name.

Format

\$\$LSTWARD^DGPMAP17(.RETURN,SEARCH,START,NUMBER)

Input Parameters

.RETURN	[Required,Array] Array passed by reference that will receive the data
	RETURN(0) – [String] # of entries found^maximum requested^any more?^flags (consistent with LIST^DIC header node)
	RETURN(,"ID") – [Numeric] Ward IEN
	RETURN(,"NAME") – [String] Ward name
	RETURN(,"SPEC") – [String] Specialty code^specialty name
	RETURN(,"SERV") – [String] Service code^service name
SEARCH	[Optional,String] Partial match restriction. Default: All entries

START	[Optional,String] The entry from which to begin the list. Default: ""
NUMBER	[Optional,Numeric] Number of entries to return. Default: All entries

Output

A Boolean value signaling if the call was successful or not.

Error Codes Returned

None

\$LSTWBED^DGPMAP17() - List beds filtered by name

This extrinsic function returns a list of available beds which can be assigned by a ward. The list can be filtered by name.

Format

\$LSTWBED^DGPMAP17(.RETURN,SEARCH,START,NUMBER,WARD,DFN)

Input Parameters

.RETURN	[Required,Array] Array passed by reference that will receive the data
	RETURN(0) – [String] # of entries found^maximum requested^any more?^flags (consistent with LIST^DIC header node)
	RETURN(#,"ID") – [Numeric] Bed IEN
	RETURN(#,"NAME") – [String] Bed name
	RETURN(#,"DESC") – [String] Bed description
	RETURN(#,"OOS") – [Boolean] out of service flag
SEARCH	[Optional,String] Partial match restriction. Default: All entries
START	[Optional,String] The entry from which to begin the list. Default: ""
NUMBER	[Optional,Numeric] Number of entries to return. Default: All entries
WARD	[Required,Numeric] Ward location (one of the active ward locations returned by LSTWARD^DGPMAP17)
DFN	[Optional,Numeric] if is set will return available beds inclusive the bed occupied by this patient

Output

A Boolean value signaling if the call was successful or not.

Error Codes Returned

INVPARM	Invalid parameter value ...
PATNFND	Patient not found.

WARDNFND Ward not found.

\$LSTTPATS^DGPMAP17() - List patients with admissions filtered by name

This extrinsic function returns a list of patients which have at least one admission. The list can be filtered by name.

Format

\$LSTTPATS^DGPMAP17(.RETURN,SEARCH,START,NUMBER)

Input Parameters

.RETURN	[Required,Array] Array passed by reference that will receive the data
	RETURN(0) – [String] # of entries found^maximum requested^any more?^flags (consistent with LIST^DIC header node)
	RETURN(1,"ID") – [Numeric] Patient IEN
	RETURN(2,"NAME") – [String] Patient name
	RETURN(3,"BIRTH") – [String] Patient birth date
	RETURN(4,"SSN") – [String] Patient SSN
	RETURN(5,"TYPE") – [String] Patient type
	RETURN(6,"VETERAN") – [Boolean] Patient veteran status
SEARCH	[Optional,String] Partial match restriction. Default: All entries
START	[Optional,String] The entry from which to begin the list. Default: ""
NUMBER	[Optional,Numeric] Number of entries to return. Default: All entries

Output

A Boolean value signaling if the call was successful or not.

Error Codes Returned

None

\$LSTCOPAT^DGPMAP19() - List checked-in patients filtered by name

This extrinsic function returns a list of patients which have at least one check-in movement. The list can be filtered by name.

Format

\$LSTCOPAT^DGPMAP19(.RETURN,SEARCH,START,NUMBER)

Input Parameters

.RETURN	[Required,Array] Array passed by reference that will receive the data
	RETURN(0) – [String] # of entries found^maximum requested^any more?^flags

(consistent with LIST^DIC header node)

RETURN(,"ID") – [Numeric] Patient IEN

RETURN(,"NAME") – [String] Patient name

RETURN(,"BIRTH") – [String] Patient birth date

RETURN(,"SSN") – [String] Patient SSN

RETURN(,"TYPE") – [String] Patient type

RETURN(,"VETERAN") – [Boolean] Patient veteran status

SEARCH [Optional,String] Partial match restriction. Default: All entries

START [Optional,String] The entry from which to begin the list. Default: ""

NUMBER [Optional,Numeric] Number of entries to return. Default: All entries

Output

A Boolean value signaling if the call was successful or not.

Error Codes Returned

None

\$LSTPADMS^DGPMAP17() - List patient admissions

This extrinsic function returns a list of the patient admissions.

Format

\$LSTPADMS^DGPMAP17(.RETURN,DFN)

Input Parameters

.RETURN [Required,Array] Array passed by reference that will receive the data

RETURN(0) – [Numeric] # of entries found

RETURN(,"ID") – [Numeric] Admission IEN

RETURN(,"DATE") – [String] Admission date (internal format^external format)

RETURN(,"TTYPE") – [Numeric] Transaction type

RETURN(,"PATIENT") – [String] Patient IEN^patient name

RETURN(,"TYPE") – [String] Admission type IEN^admission type name

RETURN(,"FCTY") – [String] Transfer facility IEN^transfer facility name

RETURN(,"WARD") – [String] Ward IEN^ward name

RETURN(,"ROOMBED") – [String] Bed IEN^bed name

RETURN(,"DISCH") – [String] Discharge IEN^discharge date

RETURN(,"MASTYPE") – [String] MAS movement type IEN^name

DFN [Required,Numeric] Patient IEN

Output

A Boolean value signaling if the call was successful or not.

Error Codes Returned

INVPARM Invalid parameter value ...

PATNFND Patient not found.

\$LSTPTRAN^DGPMAP7Q - List patient transfers

This extrinsic function returns a list of the patient transfers related to specified admission.

Format

\$LSTPTRAN^DGPMAP7(.RETURN,DFN,AFN)

Input Parameters

.RETURN [Required,Array] Array passed by reference that will receive the data

RETURN(0) – [String] # of entries found^maximum requested^any more?^flags
(consistent with LIST^DIC header node)

RETURN(,"ID") – [Numeric] Transfer IEN

RETURN(,"DATE") – [String] Transfer date (internal format^external format)

RETURN(,"TTYPE") – [Numeric] Transaction type

RETURN(,"PATIENT") – [String] Patient IEN^patient name

RETURN(,"TYPE") – [String] Transfer type IEN^ transfer type name

RETURN(,"FCTY") – [String] Transfer facility IEN^transfer facility name

RETURN(,"WARD") – [String] Ward IEN^ward name

RETURN(,"ROOMBED") – [String] Bed IEN^bed name

RETURN(,"RABSDT") – [String] Absence return date (internal format^external format)

RETURN(,"MASTYPE") – [String] MAS movement type IEN^name

DFN [Required,Numeric] Patient IEN

AFN [Required,Numeric] Admission IEN

Output

A Boolean value signaling if the call was successful or not.

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Error Codes Returned

INVPARM	Invalid parameter value ...
ADMNFND	Admission not found.
PATNFND	Patient not found.

\$LSTPFTS^DGPMAP17() - List patient treating specialty transfers

This extrinsic function returns a list of the patient treating specialty transfers related to specified admission.

Format

\$LSTPFTS^DGPMAP17(.RETURN,DFN,AFN)

Input Parameters

.RETURN	[Required,Array] Array passed by reference that will receive the data
	RETURN(0) – [String] # of entries found^maximum requested^any more?^flags (consistent with LIST^DIC header node)
	RETURN(,"ID") – [Numeric] Transfer IEN
	RETURN(,"DATE") – [String] Transfer date (internal format^external format)
	RETURN(,"TTYE") – [Numeric] Transaction type
	RETURN(,"PATIENT") – [String] Patient IEN^patient name
	RETURN(,"TYPE") – [String] Transfer type IEN^ transfer type name
	RETURN(,"PRYPHY") – [String] Primary physician IEN^primary physician name
	RETURN(,"FTSPEC") – [String] Facility treating specialty IEN^ name
	RETURN(,"ATNDPHY") – [String] Attending physician IEN^attending physician name
	RETURN(,"MASTYPE") – [String] MAS movement type IEN^name
	RETURN(,"DIAG",#) – [Array] Diagnosis array
DFN	[Required,Numeric] Patient IEN
AFN	[Required,Numeric] Admission IEN

Output

A Boolean value signaling if the call was successful or not.

Error Codes Returned

INVPARM	Invalid parameter value ...
ADMNFND	Admission not found.

PATNFND Patient not found.

\$\$LSTPLDGI^DGPMAP7() - List patient check-ins

This extrinsic function returns a list of the patient check-ins.

Format

\$\$LSTPLDGI^DGPMAP7(.RETURN,DFN)

Input Parameters

.RETURN [Required,Array] Array passed by reference that will receive the data

RETURN(0) – [Numeric] # of entries found

RETURN(,"ID") – [Numeric] Admission IEN

RETURN(,"DATE") – [String] Admission date (internal format^external format)

RETURN(,"TTY") – [Numeric] Transaction type

RETURN(,"PATIENT") – [String] Patient IEN^patient name

RETURN(,"TYPE") – [String] Admission type IEN^admission type name

RETURN(,"FCTY") – [String] Transfer facility IEN^transfer facility name

RETURN(,"WARD") – [String] Ward IEN^ward name

RETURN(,"ROOMBED") – [String] Bed IEN^bed name

RETURN(,"DISCH") – [String] Check-out IEN^check-out date

RETURN(,"LDGRSN") – [String] Reason for lodging IEN^reason for lodging name

RETURN(,"LDGCOMM") – [String] Lodging comments

RETURN(,"MASTYPE") – [String] MAS movement type IEN^name

DFN [Required,Numeric] Patient IEN

Output

A Boolean value signaling if the call was successful or not.

Error Codes Returned

INVPARM Invalid parameter value ...

PATNFND Patient not found.

\$\$GETLASTM^DGPMAP8() – Get last patient movement details

This extrinsic function returns detailed data of the last patient movement.

Format

\$\$GETLASTM^DGPMAP8(.RETURN,DFN,DGDT)

Input Parameters

.RETURN	[Required,Array] Array passed by reference that will receive the data
RETURN(0)	[String] Error code^Text
RETURN("MFN")	[Numeric] Last movement IEN
RETURN("MTYPE")	[String] Last movement type IEN^movement type name
RETURN("TYPE")	[Numeric] Last movement transaction type
RETURN("DATE")	[DateTime] Last movement date
RETURN("MASTYPE")	[Numeric] Last movement MAS type
RETURN("WARD")	[Numeric] Ward IEN
RETURN("ROOMBED")	[Numeric] Bed IEN
RETURN("PRYPHY")	[Numeric] Primary physician IEN
RETURN("FTSPEC")	[Numeric] Facility treating specialty IEN
RETURN("ADMIFN")	[Numeric] Admission IEN
RETURN("ADMDT")	[DateTime] Admission date
RETURN("DISIFN")	[Numeric] Discharge IEN
RETURN("ATNDPHY")	[Numeric] Attending physician IEN
RETURN("FDEXC")	[Boolean] Facility directory exclusion
RETURN("SERILL")	[String] Seriously ill code^name
DFN	[Required,Numeric] Patient IEN
DGDT	[Optional,Numeric] if is set will return last movement related to specified date

Output

A Boolean value signaling if the call was successful or not.

Error Codes Returned

INVPARM	Invalid parameter value ...
PATNFND	Patient not found.

\$\$GETADM^DGPMAP18() – Get patient admission details

This extrinsic function returns detailed data of the admission.

Format

\$\$GETADM^DGPMAP18(.RETURN,AFN)

Input Parameters

.RETURN	[Required,Array] Array passed by reference that will receive the data
RETURN(0)	[String] Error code^Text
RETURN("DATE")	[String] Admission date (internal format^external format)
RETURN("TTYPE")	[Numeric] Transaction type code^name
RETURN("PATIENT")	[String] Patient IEN^name
RETURN("TYPE")	[String] Admission type IEN^ name
RETURN("WARD")	[String] Ward IEN^name
RETURN("ROOMBED")	[String] Bed IEN^name
RETURN("SHDIAG")	[String] Short diagnosis
RETURN("ADMSCC")	[String] Admitted for service connected condition code^name
RETURN("ADMREG")	[String] Admitting regulation IEN^name
RETURN("DISCH")	[Numeric] Discharge IEN
RETURN("MASTYPE")	[String] MAS movement type IEN^name
RETURN("FDEXC")	[String] Facility directory exclusion code^name
RETURN("FTSPEC")	[String] Facility treating specialty IEN^name
RETURN("PRYPHY")	[String] Primary physician IEN^name
RETURN("ATNDPHY")	[String] Attending physician IEN^name
RETURN("ADMSRC")	[String] Source of admission IEN^name
RETURN("ELIGIB")	[String] Admitting eligibility IEN^name
RETURN("LDGRSN")	[String] Lodger reason IEN^name
RETURN("LDGCOMM")	[String] Lodger comments IEN
RETURN("LDGDISP")	[String] Lodger disposition code^name
RETURN("FCTY")	[String] Transfer facility IEN^name
RETURN("DIAG",#)	[Array] Diagnosis array
AFN	[Required,Numeric] Admission IEN

Output

A Boolean value signaling if the call was successful or not.

Error Codes Returned

INVPARM	Invalid parameter value - AFN
ADMNFND	Admission not found.

\$\$GETTRA^DGPMAP18() – Get patient transfer details

This extrinsic function returns detailed data of the transfer.

Format

\$\$GETTRA^DGPMAP18(.RETURN,TFN)

Input Parameters

.RETURN	[Required,Array] Array passed by reference that will receive the data
RETURN(0)	– [String] Error code^Text
RETURN("DATE")	– [String] Admission date (internal format^external format)
RETURN("TTYPE")	– [Numeric] Transaction type code^name
RETURN("PATIENT")	– [String] Patient IEN^name
RETURN("TYPE")	– [String] Admission type IEN^ name
RETURN("FCTY")	– [String] Transfer facility IEN^name
RETURN("WARD")	– [String] Ward IEN^name
RETURN("ROOMBED")	– [String] Bed IEN^name
RETURN("RABSDT")	– [Numeric] Return absence date
RETURN("ADMIFN")	– [String] Admission IEN^name
RETURN("MASTYPE")	– [String] MAS movement type IEN^name
RETURN("FTSPEC")	– [String] Facility treating specialty IEN^name
RETURN("PRYMPHY")	– [String] Primary physician IEN^name
RETURN("ATNDPHY")	– [String] Attending physician IEN^name
RETURN("DIAG",#)	– [Array] Diagnosis array
TFN	[Required,Numeric] Transfer IEN

Output

A Boolean value signaling if the call was successful or not.

Error Codes Returned

INVPARM	Invalid parameter value - TFN
TRANFND	Transfer not found.

\$\$GETMVT^DGPMAP18() – Get patient movement details

This extrinsic function returns detailed data of the movement.

Format

\$\$GETMVT^DGPMAP18(.RETURN,MFN)

Input Parameters

.RETURN	[Required,Array] Array passed by reference that will receive the data
RETURN(0)	[String] Error code^Text
RETURN("DATE")	[String] Admission date (internal format^external format)
RETURN("TTYE")	[Numeric] Transaction type code^name
RETURN("PATIENT")	[String] Patient IEN^name
RETURN("TYPE")	[String] Admission type IEN^name
RETURN("FCTY")	[String] Transfer facility IEN^name
RETURN("WARD")	[String] Ward IEN^name
RETURN("ROOMBED")	[String] Bed IEN^name
RETURN("PRYPHY")	[String] Primary physician IEN^name
RETURN("FTSPEC")	[String] Facility treating specialty IEN^name
RETURN("SHDIAG")	[String] Short diagnosis
RETURN("ADMIFN")	[String] Admission IEN^name
RETURN("DISCH")	[Numeric] Discharge IEN
RETURN("MASTYPE")	[String] MAS movement type IEN^name
RETURN("ATNDPHY")	[String] Attending physician IEN^name
RETURN("LDGRSN")	[String] Lodger reason IEN^name
RETURN("LDGCOMM")	[String] Lodger comments IEN
RETURN("LDGDISP")	[String] Lodger disposition code^name
MFN	[Required,Numeric] Movement IEN

Output

A Boolean value signaling if the call was successful or not.

Error Codes Returned

INVPARM	Invalid parameter value - MFN
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MVTNFND Movement not found.

\$\$GETMVTT^DGPMAP18() – Get movement type details

This extrinsic function returns detailed data of the movement type.

Format

\$\$GETMVTT^DGPMAP18(.RETURN,IFN)

Input Parameters

.RETURN [Required,Array] Array passed by reference that will receive the data

RETURN(0) – [String] Error code^Text

RETURN("NAME") – [String] Movement type name

RETURN("TTYPE") – [Numeric] Transaction type

RETURN("MAS") – [Numeric] MAS movement type

RETURN("STAT") – [Boolean] Movement type status

RETURN("ASKSPEC") – [Boolean] Ask specialty at movement

IFN [Required,Numeric] Movement type IEN

Output

A Boolean value signaling if the call was successful or not.

Error Codes Returned

INVPARM Invalid parameter value - IFN

MVTTNFND Movement type not found.

\$\$GETMASMT^DGPMAP18() – Get MAS movement type details

This extrinsic function returns detailed data of the MAS movement type.

Format

\$\$GETMASMT^DGPMAP18(.RETURN,IFN)

Input Parameters

.RETURN [Required,Array] Array passed by reference that will receive the data

RETURN(0) – [String] Error code^Text

RETURN("NAME") – [String] Movement type name

RETURN("TTYPE") – [Numeric] Transaction type

RETURN("ASKSPEC") – [Boolean] Ask specialty at movement?

RETURN("ASKFTY") – [Boolean] Ask facility at movement?

RETURN("ABS") – [Boolean] Is this movement an absence?

RETURN("CFADM") – [Boolean] Can movement follow admission?

RETURN("ASIH") – [Boolean] ASIH movement?

IFN [Required,Numeric] Movement type IEN

Output

A Boolean value signaling if the call was successful or not.

Error Codes Returned

INVPARM Invalid parameter value - IFN

MVTTNFND Movement type not found.

\$\$GETAREG^DGPMAP18() – Get admitting regulation details

This extrinsic function returns detailed data of the admitting regulation.

Format

\$\$GETAREG^DGPMAP18(.RETURN,IFN)

Input Parameters

.RETURN [Required,Array] Array passed by reference that will receive the data

RETURN(0) – [String] Error code^Text

RETURN("IEN") – [Numeric] Admitting regulation IEN

RETURN("NAME") – [String] Admitting regulation name

RETURN("STATUS") – [String] Admitting regulation status (internal^external format)

IFN [Required,Numeric] Admitting regulation IEN

Output

A Boolean value signaling if the call was successful or not.

Error Codes Returned

INVPARM Invalid parameter value - IFN

AREGNFND Admitting regulation not found.

\$\$GETWARD^DGPMAP18() – Get ward details

This extrinsic function returns detailed data of the ward.

Format

\$\$GETWARD^DGPMAP18(.RETURN,IFN)

Input Parameters

.RETURN [Required,Array] Array passed by reference that will receive the data

RETURN(0) – [String] Error code^Text

RETURN("NAME") – [String] Ward name

RETURN("BED") – [String] Bedsection of this ward

RETURN("SERVICE") – [String] Ward service code (M:MEDICINE, S:SURGERY,
P:PSYCHIATRY, NH:NHCU, NE:NEUROLOGY, I:INTERMEDIATE MED,
R:REHAB MEDICINE, SCI:SPINAL CORD INJURY, D:DOMICILIARY,
B:BLIND REHAB, NC:NON-COUNT)

RETURN("SRILL") – [Boolean] Include on seriously ill list?

RETURN("SPCTY") – [Numeric] Specialty IEN

IFN [Required,Numeric] Ward IEN

Output

A Boolean value signaling if the call was successful or not.

Error Codes Returned

INVPARM Invalid parameter value - IFN

WRDNFND Ward not found.

\$\$GETPAT^DGPMAP18() – Get patient details

This extrinsic function returns detailed data of the patient.

Format

\$\$GETPAT^DGPMAP18(.RETURN,DFN)

Input Parameters

.RETURN [Required,Array] Array passed by reference that will receive the data

RETURN(0) – [String] Error code^Text

RETURN("NAME") – [String] Patient name

RETURN("SEX") - [String] Patient sex code (M:MALE, F:FEMALE)

RETURN("DOB") - [DateTime] Date of birth

RETURN("MSTAT") - [Numeric] Marital status IEN (pointer to file 11)

RETURN("RELPREF") - [Numeric] religious preference IEN (pointer to file #13)

RETURN("MEANST") - [Numeric] Current means test status IEN (pointer to file 408.32)

RETURN("DTHDT") - [DateTime] Date of death

RETURN("ELIG") - [Numeric] Primary eligibility code IEN (pointer to file 8)

RETURN("ESTAT") - [String] Eligibility status code (P:PENDING VERIFICATION, R:PENDING
RE-VERIFICATION, V:VERIFIED)

RETURN("POFSRV") - [Numeric] Period of service IEN (pointer to file 21)

RETURN("SRILL") - [String] Condition code (S:SERIOUSLY ILL)

RETURN("WARD") - [String] Ward location name

DFN [Required,Numeric] Patient IEN

Output

A Boolean value signaling if the call was successful or not.

Error Codes Returned

INVPARM Invalid parameter value - DFN

PATNFND Patient not found.

\$\$GETPSRV^DGPMAP18() – Get period of service details

This extrinsic function returns detailed data of the period of service.

Format

\$\$GETPSRV^DGPMAP18(.RETURN,IFN)

Input Parameters

.RETURN [Required,Array] Array passed by reference that will receive the data

RETURN(0) – [String] Error code^Text

RETURN("NAME") – [String] Period of service name

RETURN("NAME") - [String] Period of service name

RETURN("ABV") - [String] Period of service abbreviation

RETURN("CODE") - [String] Period of service code

RETURN("BEGDT") - [DateTime] Period of service beginning date

RETURN("ENDDT") - [DateTime] Period of service ending date

IFN [Required,Numeric] Period of service IEN

Output

A Boolean value signaling if the call was successful or not.

Error Codes Returned

INVPARM Invalid parameter value - IFN

PSRVNFND Period of service not found.

\$\$LSTPELIG^DGPMAPI9() - List patient eligibility codes

This extrinsic function returns a list of eligibility codes assigned for patient.

Format

\$\$LSTPELIG^DGPMAPI9(.RETURN, DFN)

Input Parameters

.RETURN	[Required,Array] Array passed by reference that will receive the data
	RETURN(0) – [Numeric] # of entries found
	RETURN("PELIG") – [String] Primary_eligibility_IEN^eligibility_name (pointer to file 8)
	RETURN(#) – [String] Eligibility_IEN^eligibility_name (pointer to file 8)
DFN	[Required,Numeric] Patient IEN (pointer to file 2)

Output

A Boolean value signaling if the call was successful or not.

Error Codes Returned

INVPARM	Invalid parameter value ...
PATNFND	Patient not found.

\$\$LSTACAT^DGSAAPI() - List admitting categories

This extrinsic function returns a list of admitting categories.

Format

\$\$LSTACAT^DGSAAPI (.RETURN,AREG,ACTIVE)

Input Parameters

.RETURN	[Required,Array] Array passed by reference that will receive the data
	RETURN(0) – [Numeric] # of entries found
	RETURN(#,ID) – [Numeric] Sharing agreement category IEN (pointer to the Sharing Agreement Category file #35.1)
	RETURN(#,SUBCAT) [String] Sub-category IEN^Sub-category name (pointer to the Sharing Agreement Sub-Category file #35.2)
	RETURN(#,STATUS) – [Boolean] Sharing agreement category status
ACTIVE	[Optional,Boolean] If is set to 1 returns only active sub-categories, otherwise all.
AREG	[Required,Numeric] Admitting regulation IEN (pointer to the VA Admitting Regulation file #43.4)

Output

A Boolean value signaling if the call was successful or not.

Error Codes Returned

AREGNFND	Admitting regulation not found.
AREGINAC	Admitting regulation is inactive.
INVPARM	Invalid parameter value

\$\$ADDACAT^DGSAAPI() – Add new Sharing Agreement Category

This extrinsic function creates a new Sharing Agreement Category entry.

Format

\$\$ADDACAT^DGSAAPI(.RETURN,AREG,SUBCAT,STATUS)

Input Parameters

.RETURN	[Required,Numeric] Set to the new Sharing Agreement Category IEN, 0 otherwise. Set to Error description if the call fails
AREG	[Required,Numeric] Admitting regulation IEN (pointer to the Admitting Regulation file #43.4)
SUBCAT	[Required,Numeric] Sub-Category IEN (pointer to the Sharing Agreement Sub-Category file #35.2)
STATUS	[Optional,Boolean] Sharing Agreement Category active code. One of: 1^YES, 0^NO. Defaults to 0^NO.

Output

A Boolean value signaling if the call was successful or not.

Error Codes Returned

AREGNFND	Admitting regulation not found.
SACEXST	Sharing Agreement Category already exists.
AREGINAC	Admitting regulation is inactive.
SASCNFND	Sharing Agreement Sub-Category not found.
INVPARM	Invalid parameter value

\$\$UPDCAT^DGSAAPI() – Update Sharing Agreement Category

This extrinsic function updates an existing Sharing Agreement Category.

Format

\$\$UPDCAT^DGSAAPI(.RETURN,SACAT,STATUS)

Input Parameters

.RETURN	[Required,Numeric] Set to the new sharing agreement category IEN, 0 otherwise. Set to Error description if the call fails
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SACAT	[Required,Numeric] Sharing Agreement Category IFN (one of the active Sharing Agreement Category returned by LSTACAT^DGSAAPI)
STATUS	[Optional,Boolean] Sharing Agreement Category active code. One of: 1^YES, 0^NO.

Output

A Boolean value signaling if the call was successful or not.

Error Codes Returned

SACNFND	Sharing Agreement Category not found.
INVPARM	Invalid parameter value

\$\$ADDSASC^DGSAAPI() – Add new Sharing Agreement Sub-Category

This extrinsic function creates a new Sharing Agreement Sub-Category entry.

Format

\$\$ADDSASC^DGSAAPI(.RETURN,NAME)

Input Parameters

.RETURN	[Required,Numeric] Set to the new Sharing Agreement Sub-Category IEN, 0 otherwise. Set to Error description if the call fails
NAME	[Required,String] Sharing Agreement Sub-Category name

Output

A Boolean value signaling if the call was successful or not.

Error Codes Returned

SASCINV	Invalid Sharing Agreement Sub-Category name, must be 3-30 characters long.
SASCAEX	Sharing Agreement Sub-Category ... already exists.

\$\$UPDSASC^DGSAAPI() – Update Sharing Agreement Sub-Category

This extrinsic function updates an existing Sharing Agreement Sub-Category.

Format

\$\$UPDSASC^DGSAAPI(.RETURN,IFN,NAME)

Input Parameters

.RETURN	[Required,Numeric] Set to the new Sharing Agreement Sub-Category IEN, 0 otherwise. Set to Error description if the call fails
IFN	[Required,Numeric] Sharing Agreement Sub-Category IEN (pointer to the Sharing Agreement Sub-Category file #35.2)
NAME	[Required,String] Sharing Agreement Sub-Category name

Output

A Boolean value signaling if the call was successful or not.

Error Codes Returned

SASCINV	Invalid Sharing Agreement Sub-Category name, must be 3-30 characters long.
SASCAEX	Sharing Agreement Sub-Category ... already exists.
SASCNFND	Sharing Agreement Sub-Category not found.
INVPARM	Invalid parameter value

3. GLOSSARY

Term	Definition
Internal Entry Number (IEN)	The number used to identify an entry within a file. Every record has a unique IEN.
STOP CODE	A three-digit number corresponding to an additional stop/service a patient received in conjunction with a clinic visit. Stop code entries are used so that medical facilities may receive credit for the services rendered during a patient visit.

4. How to use the code

API

The APIs presented in this paper cover most of the functionality found in the Appointment Management menu option. They follow a consistent calling convention that allows for returning rich error messages from the called routines and making them suitable as an interface to be used by external applications.

Assumed Variables

The only assumed variables used in this API are Kernel variables documented in section 2.3.1.3.2 of the SAC. In this version the following assumed variables were used: DT, U, and DUZ.

Format and conventions of the calls

The conventions used in this API are very similar to those enforced by the Remote Procedure Call (RPC) Broker. Every tag has at least one parameter passed by reference that will hold the result of the call. Every function returns a Boolean to signal if the processing was successful or not.

If the return value is 0, the first parameter (RETURN) will be structured as an array containing the errors encountered, numbered from 0 to the error count. The errors have the following form:

ErrorId^Message

Example

INVPARM^Invalid parameter value – SDWLDFN

5. Installation

Along with this document a Kernel Installation and Distribution System (KIDS) Host File is provided. The steps required to install the distribution are outlined below:

1. From the *Systems Manager Menu* select *Programmer Options...*
2. Select *Kernel Installation & Distribution System*
3. Select *Installation*
4. Select *Load a Distribution*
5. Enter the host file path (i.e. C:\ DG_5.3_260005_RC1.KID) and load the distribution
6. Use the *Install Package(s)* option and select DG*5.3*260005*RC1
7. When prompted *Want KIDS to Rebuild Menu Trees Upon Completion of Install?* Respond NO
8. When prompted *Want KIDS to INHIBIT LOGONs during the install?* Respond NO
9. When prompted *Want to DISABLE Scheduled Options, Menu Options, and Protocols?* Respond NO

Installation time is less than a minute.

6. Conclusions

This document has presented a set of APIs developed as part of the Open Source EHR Services refactoring effort. They are meant to be used by both Roll-and-Scroll Interface and RPC tags and intended to be accessible by other packages and applications. In addition, they should remove direct global access, uncouple the business logic from the user interface elements, and minimize code duplication.