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This distribution contains change pages for Patch GMRV*5.0*22 of the Vitals / Measurements Technical Manual and Package Security Guide.

These change pages for Vitals / Measurements Patch 22 should be inserted into the latest version of the Vitals / Measurements Technical Manual and Package Security Guide (revised April 2006 for Patch GMRV*5.0*3).

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**VITALS / MEASUREMENTS
TECHNICAL MANUAL AND
PACKAGE SECURITY GUIDE**

Version 5.0

October 2002

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for Patch GMRV*5.0*22

Department of Veterans Affairs
Health Systems Design & Development
Provider Systems

Revision History

Date	Revision	Description	Author
October 2002	5.0	Initial Release	M. Gaddie
April 2006	5.0*3	Updated for Patch GMRV*5.0*3: - Cover Page - Revision History - Implementation and Maintenance, p. 2-4 - Routine Descriptions, p. 3-1 through 3-8 - Exported Options, p. 5-1 through 5-34 - External Relations, p. 8-47 through 8-96 - Internal Relations, p. 9-1 - Software Product Security, p. 12-1	F. Traxler
September 2008	5.0*22	Updated for Patch GMRV*5.0*22: - Routine Descriptions, p. 5-9 through 5-34	A. Bustamante Paul Long (PM)

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patient.

This remote procedure call is documented in Integration Agreement 4358.

```
INPUT PARAMETER: GMRDFN          PARAMETER TYPE: LITERAL
MAXIMUM DATA LENGTH: 10        REQUIRED: YES
SEQUENCE NUMBER: 1
DESCRIPTION:
GMRDFN variable is a pointer to the Patient (#2) file (i.e., DFN).
RETURN PARAMETER DESCRIPTION:
Returns the name of the global array (i.e., ^TMP($J,"GRPC")) containing
the latest vitals for the selected patient.
```

The TMP global contains:
^TMP(\$J,"GRPC",n)=piecel

where piecel = is a formatted line of text.
n = sequential number starting at 1.

The formatted line of text includes the vital type, value and unit (U.S.), value and unit (metric), qualifiers, supplemental oxygen, body mass index value, and person who entered the record.

If there is no data for the patient, the following is returned:
^TMP(\$J,"GRPC",1)=There are no results to report

Example:

```
> S GMRDFN=134
> D GETLAT^GMVGETD(.RESULT,GMRDFN) ZW RESULT
> RESULT="^TMP(539349605,"GRPC")"
> D ^%G
> Global ^TMP($J,"GRPC"
> ^TMP(539349605,"GRPC",1)=Temp.: (08/09/05@08:00) 102 F (38.9 C)*
(ORAL) _VITPROVIDER,ONE
> 2)=Pulse: (07/14/05@16:33) 55
(LEFT,CAROTID,PALPATED,LYING) _VITPROVIDER,ONE
> 3)=Resp.: (07/14/05@16:33) 31
(SPONTANEOUS,SITTING) _VITPROVIDER,ONE
> 4)=Pulse Ox: (08/22/05@13:48) 99% with
supplemental O2 1 L/min 90% NASAL CANNULA _VITPROVIDER,ONE
> 5)=B/P: (09/26/05@11:30) 120/80* (L
ARM,SITTING,CAROTID,CALF) _VITPROVIDER,TWO
> 6)=Ht.: (09/14/05@17:18) 5 ft 6 in (167.64
cm) (ACTUAL) _VITPROVIDER,ONE
> 7)=Wt.: (09/14/05@17:18) 135 lb (61.36 kg)
(ACTUAL,STANDING) _VITPROVIDER,ONE
> 8)=Body Mass Index: 22
9)=CVP: (08/22/05@17:09) 15 cmH2O (11.0
mmHg) _VITPROVIDER,ONE
10)=Circ/Girth: (07/22/05@10:22) 1 in (2.54 cm)
(DRY,ABDO MINAL) _VITPROVIDER,TWO
11)=Pain: (09/15/05@16:43) 5 _VITPROVIDER,ONE
```

```
1NAME: GMV LOCATION SELECT TAG: RPC
ROUTINE: GMVRPCHL RETURN VALUE TYPE: GLOBAL ARRAY
AVAILABILITY: SUBSCRIPTION INACTIVE: ACTIVE
WORD WRAP ON: TRUE
1DESCRIPTION:
```

¹ April 2006 Patch GMRV*5.0*3 Added new routine and description.

Exported Options

Select a hospital location by name, from a patient appointment or from a patient admission. Can also generate a list of active clinics.

This remote procedure is documented in Integration Agreement 4461.

```
INPUT PARAMETER: OPTION          PARAMETER TYPE: LITERAL
  MAXIMUM DATA LENGTH: 10      REQUIRED: YES
  SEQUENCE NUMBER: 1
DESCRIPTION:
Routine tag line in GMVRPCHL to call.
INPUT PARAMETER: DATA          PARAMETER TYPE: LITERAL
  MAXIMUM DATA LENGTH: 100     REQUIRED: YES
  SEQUENCE NUMBER: 2
DESCRIPTION:
Other data as required for the call.
RETURN PARAMETER DESCRIPTION:
This remote procedure call allows the user to select a hospital location.
```

The entry point is RPC^GMVRPCHL. It has input parameters of RESULTS, OPTION and DATA (ex. RPC^GMVRPCHL(.RESULTS,OPTION,DATA)).

The RESULTS variable will contain the ^TMP("GMVHLOC",\$J) global array reference. The ^TMP("GMVHLOC",\$J) global array contains the results.

The OPTION variable identifies a line label in the GMVRPCHL routine that will be invoked to process the call.

The DATA variable contains any additional values needed by the OPTION variable to process the call.

1) When the OPTION value is NAME, this RPC will do a file lookup.

The DATA value is a three part value separated by carets(^). The first part is a file number. The second part is a value to look up. The third part is the field or fields to do the look up on. If the third piece is not defined, the lookup is done on the .01 field of the file.

The TMP global contains:

```
^TMP("GMVHLOC",$J,0)=piece1
^TMP("GMVHLOC",$J,n)=piece2^piece3
```

```
where piece1 = number of entries found
      piece2 = file number, a semi-colon and record IEN
      piece3 = field value
```

Example:

```
>S OPTION="NAME",DATA="44^OUTPATIENT^.01"
>D RPC^GMVRPCHL(.RESULT,OPTION,DATA) ZW RESULT
>RESULT="^TMP("GMVHLOC",539052767)"
>D ^%G
>Global ^TMP("GMVHLOC",$J
>^TMP("GMVHLOC",539052767,0)=3
      1)=44;75^OUTPATIENT NUC MED
      2)=44;74^OUTPATIENT RADIOLOGY
      3)=44;80^OUTPATIENT ULTRASOUND
```

2) When the OPTION value is APPT, this RPC will return a list of clinic

¹ September 2008 Patch GMRV*5.0*22 Updated routine description.

appointments for the patient.

The DATA value is a four part value separated by carets(^). The first piece is DFN. The second piece is the start date of the search. If not defined, this value defaults to 365 days prior to today. The third piece is the end date of the search. If not defined, the value defaults to today. Both dates are in FileMan internal format. The fourth piece is a string of numbers to indicate what types of appointments to return. If not defined, the value defaults to "123456789" (i.e., all appointment types) where:

- 1 - Active/Kept
- 2 - Inpatient appts. only
- 3 - No-shows
- 4 - No-shows, auto-rebook
- 5 - Cancelled by clinic
- 6 - Cancelled by clinic, auto rebook
- 7 - Cancelled by patient
- 8 - Cancelled by patient, auto rebook
- 9 - No action taken

The TMP global contains:

```
^TMP("GMVHLOC",$J,0)=piece1
^TMP("GMVHLOC",$J,n)=piece2^piece3^piece4^piece5^piece6^piece7
                        ^piece8^piece9^
```

```
where piece1 = number of entries found
      piece2 = date/time of appt (FM internal)
      piece3 = date/time of appt (external)
      piece4 = hospital location IEN (FILE 44)
      piece5 = hospital location name (FILE 44, Field .01)
      piece6 = appt status (internal)
      piece7 = appt status (external)
      piece8 = appt type (internal)
      piece9 = appt type (external)
```

Example:

```
> S OPTION="APPT",DATA="78^3051201^3051206^"
> D RPC^GMVRPCHL(.RESULT,OPTION,DATA) ZW RESULT
> RESULT="^TMP("GMVHLOC",539052767)"
> D ^%G
> Global ^TMP("GMVHLOC",$J
> ^TMP("GMVHLOC",539052767,0)=1
                                1)=3051206.1^DEC 6,2005@10:00^88^WEIGHT
                                CLINIC^^^9^REGULAR
```

3) When the OPTION value is ADMIT, this RPC will return a list of hospital admissions for the patient specified.

The DATA value is the patient's DFN.

The TMP global contains:

```
^TMP("GMVHLOC",$J,0)=piece1
^TMP("GMVHLOC",$J,n)=piece2^piece3^piece4^piece5^piece6
```

```
where piece1 = number of entries found
      piece2 = date/time of admission (external)
      piece3 = hospital location IEN (FILE 44)
      piece4 = hospital location name (FILE 44, Field .01)
      piece5 = type of movement (FILE 405.1, Field .01)
```

Exported Options

```
piece6 = movement IEN (FILE 405)
```

Example:

```
> S OPTION="ADMIT",DATA=134
> D RPC^GMVRPCHL(.RESULT,OPTION,DATA) ZW RESULT
> RESULT="^TMP("GMVHLOC",539052767)"
> D ^%G
> Global ^TMP("GMVHLOC", $J
> ^TMP("GMVHLOC",539052767,0)=1
                                1)=Apr 09, 2001 1:48:43 pm^67^
                                2-ASM^DIRECT^1712
```

4) When the OPTION value is CLINIC, this RPC will return a list of active clinics.

The DATA value is FROM^MAXIMUM^DIRECTION.

Where:

```
FROM = Value to begin the search (optional). Default is
      null (i.e., start with the first entry in the B x-ref).
MAXIMUM = Maximum number of entries to return. (optional)
          Default is 100.
DIRECTION = Direction of search (optional). 1 means forward and -1
           means backwards. Default is 1.
```

The TMP global contains:

```
^TMP("GMVHLOC", $J,0)=piece1
^TMP("GMVHLOC", $J,n)=piece2^piece3
```

```
where piece1 = number of entries found
      piece2 = 44;ien (44, a semi-colon and the entry number)
      piece3 = location name (FILE 44, Field .01)
      n is a sequential number starting with zero
```

Example:

```
> S OPTION="CLINIC",DATA="A^5^1"
> K RESULTS D RPC^GMVRPCHL(.RESULTS,OPTION,DATA) ZW RESULTS
> RESULTS="^TMP("GMVHLOC",540221719)"
> D ^%G
> Global ^TMP("GMVHLOC", $J
> ^TMP("GMVHLOC",540221719,0)=5
                                1)=44;140^ANDY'S AUDIO NON-COUNT CLINIC
                                2)=44;139^ANDY'S AUDIOLOGY COUNT CLINIC
                                3)=44;76^AUDIOLOGY AND SPEECH PATHOLOGY
                                4)=44;87^BARB'S CLINIC
                                5)=44;217^BOISE OUTPATIENT
```

If an error is encountered for NAME, ADMIT, APPT or CLINIC, a "-1" followed by a caret and the error message text (i.e., -1^error message) is returned in RESULT(0).

```
NAME: GMV MANAGER TAG: RPC
ROUTINE: GMVRPCM RETURN VALUE TYPE: GLOBAL ARRAY
AVAILABILITY: SUBSCRIPTION INACTIVE: ACTIVE
WORD WRAP ON: TRUE
1DESCRIPTION:
Performs many functions for the Manager module.
```

¹ April 2006 Patch GMRV*5.0*3 Updated the routine description.

This remote procedure call is documented in Integration Agreement 4360.

```
INPUT PARAMETER: OPTION          PARAMETER TYPE: LITERAL
  MAXIMUM DATA LENGTH: 10      REQUIRED: YES
  SEQUENCE NUMBER: 1
```

DESCRIPTION:

Routine tag line in GMVRPCM to call.

```
INPUT PARAMETER: DATA          PARAMETER TYPE: LITERAL
  MAXIMUM DATA LENGTH: 100     REQUIRED: YES
  SEQUENCE NUMBER: 2
```

DESCRIPTION:

Other data as required for the call.

RETURN PARAMETER DESCRIPTION:

This remote procedure call performs various actions such as building selection lists and modifying package parameters. The entry point is RPC^GMVRPCM. It has input parameters of RESULTS, OPTION and DATA (ex: RPC^GMVRPCM(.RESULTS,OPTION,DATA)).

The RESULTS variable will contain the ^TMP("GMVMGR",\$J) global array reference. The ^TMP("GMVMGR",\$J) global array contains the results.

The OPTION variable identifies a line label in the GMVRPCM routine that will be invoked to process the call.

The DATA variable contains any additional values needed by the OPTION variable to process the call.

1) When the OPTION value is ADDQUAL, this RPC will link a GMRV VITAL QUALIFIER (#120.52) file entry to a GMRV VITAL TYPE (#120.51) file entry.

The DATA value is a three part value separated by semi-colons(;). The first value is the FILE 120.51 internal entry number (IEN). The second value is the GMRV VITAL CATEGORY (#120.53) IEN. The third value is the GMRV VITAL QUALIFIER (#120.52).

Example:

```
> S DATA="1;1;1"
> S OPTION="ADDQUAL"
> D RPC^GMVRPCM(.RESULT,OPTION,DATA) ZW RESULT
> RESULT="^TMP("GMVMGR",539356158)"
> D ^%G
> Global ^TMP("GMVMGR",$J
> ^TMP("GMVMGR",539356158,0)=1^Qualifier Assigned
```

If an error is encountered, a "-1" followed by a caret and the error message text (i.e., -1^error message) is returned.

2) When the OPTION value is DELQUAL, this RPC will unlink a qualifier to a GMRV VITAL TYPE (#120.51) file entry.

The DATA value is a three part value separated by semi-colons. The first value is the FILE 120.51 internal entry number (IEN). The second value is the GMRV VITAL CATEGORY (#120.53) IEN. The third value is the GMRV VITAL QUALIFIER (#120.52) IEN.

Example:

```
> S DATA="1;1;1"
```

Exported Options

```
> S OPTION="DELQUAL"
> D RPC^GMVRPCM(.RESULT,OPTION,DATA) ZW RESULT
> RESULT="^TMP("GMVMGR",539356158)"
> D ^%G
> Global ^TMP("GMVMGR",$J
> ^TMP("GMVMGR",539356158,0)=1^Qualifier removed.
```

If an error is encountered, a "-1" followed by a caret and the error message text (i.e., -1^error message) is returned.

3) When the OPTION value is DELTEMP, this RPC will delete a data input template definition.

The DATA value is a two part value separated by a caret (^). The first value is the ENTITY value. See IA #2263 for a list of entity values. The second value is the name of the data input template.

Example:

```
> S DATA="USR^PAIN ONLY"
> S OPTION="DELTEMP"
> D RPC^GMVRPCM(.RESULT,OPTION,DATA) ZW RESULT
> RESULT="^TMP("GMVMGR",539356158)"
> D ^%G
> Global ^TMP("GMVMGR",$J
> ^TMP("GMVMGR",539356158,0)=1^Template Removed.
```

If an error is encountered, a "-1" followed by a caret and the error message text (i.e., -1^error message) is returned.

4) When the OPTION value is GETCATS, this RPC will return a list of qualifiers (FILE 120.52) associated with a vital type (FILE 120.51).

The DATA value is a one part value. It is a pointer value to FILE 120.51

The TMP global contains:

```
^TMP("GMVMGR",$J,0)=piece1^piece2
^TMP("GMVMGR",$J,n)=piece3^piece4^piece5
```

where piece1 = number of categories (FILE 120.53) associated with this vital type

piece2 = vital type name

piece3 = category IEN (FILE 120.53)

piece4 = category name (FILE 120.53, Field .01)

piece5 = qualifier names (FILE 120.52, Field .01) separated by a comma and space

n = sequential number starting with 1

Example:

```
> S DATA="21"
> S OPTION="GETCATS"
> D RPC^GMVRPCM(.RESULT,OPTION,DATA) ZW RESULT
> RESULT="^TMP("GMVMGR",539356158)"
> D ^%G
> Global ^TMP("GMVMGR",$J
> ^TMP("GMVMGR",539356158,0)=1^PULSE OXIMETRY
    1)=2^METHOD^AEROSOL/HUMIDIFIED MASK, CPAP, FACE
    TENT, L ARM, MASK, NASAL CANNULA, NON RE-BREATHING, PARTIAL RE-BREATHING,
    ROOM AIR, T-PIECE, TRACHEOSTOMY COLLAR, VENTILATOR, VENTURI MASK
```

If an error is encountered, a "-1" followed by a caret and the error message text (i.e., -1^error message) is returned.

5) When the OPTION value is GETDATA, this RPC will return the value of the entry you specify.

The DATA value is a three part value. The first part is the file number. The second part is the IEN number of the entry. The third part is the field number.

The TMP global contains:

```
^TMP("GMVMGR", $J, 0) = external value of the field
```

Example:

```
> S DATA="120.51^1^1"
> D RPC(.RESULT, "GETDATA", DATA) ZW RESULT
> RESULT="^TMP("GMVMGR", 539339804)"
> D ^%G
> Global ^TMP("GMVMGR", $J
> ^TMP("GMVMGR", 539339804, 0) = BP
```

If a value cannot be found, then a null value is returned.

6) When the OPTION value is GETDEF, this RPC will return default template names.

The DATA value is a one part value. If it is null, then all default templates for that user will be returned.

The TMP global contains:

```
^TMP("GMVMGR", $J, 0) = piece1
^TMP("GMVMGR", $J, n) = piece2^piece3
```

```
where piece1 = number of templates found
      piece2 = an IEN value, a semi-colon, and a global reference
      piece3 = template name
      n = sequential number starting with 1
```

Example A:

```
> S DATA=""
> S OPTION="GETDEF"
> D RPC^GMVRPCM(.RESULT, OPTION, DATA) ZW RESULT
> RESULT="^TMP("GMVMGR", 539356158)"
> D ^%G
> Global ^TMP("GMVMGR", $J
> ^TMP("GMVMGR", 539356158, 0) = 4
                                1) = 125; SC(^WARD 10A
                                2) = 334; DIC(4.2, ^TEST
                                3) = 4601; VA(200, ^Height ONLY
                                4) = 547; VA(200, ^All Vital Signs
```

If the DATA value is an entity value (see IA 2263 for a list of entity values), then the default template name for that entity will be returned.

The TMP global contains:

```
^TMP("GMVMGR", $J, 0) = template name
```

Exported Options

Example B:

```
> S DATA="USR"
> S OPTION="GETDEF"
> D RPC^GMVRPCM(.RESULT,OPTION,DATA) ZW RESULT
> RESULT="^TMP("GMVMGR",539356158)"
> D ^%G
> Global ^TMP("GMVMGR", $J
> ^TMP("GMVMGR",539356158,0)=MY DEFAULT
```

If an error is encountered, a "-1" followed by a caret and the error message text (i.e., -1^error message) is returned.

7) When the OPTION value is GETHILO, this RPC will return the abnormal high or low value for a vital type.

The DATA value is a one part value which identifies a field number in the GMRV VITALS PARAMETERS (#120.57) field.

The TMP global contains:

```
^TMP("GMVMGR", $J,0)=field value
```

Example:

```
> S DATA=5.2
> S OPTION="GETHILO"
> D RPC^GMVRPCM(.RESULT,OPTION,DATA) ZW RESULT
> RESULT="^TMP("GMVMGR",539356158)"
> D ^%G
> Global ^TMP("GMVMGR", $J
> ^TMP("GMVMGR",539356158,0)=94
```

A zero is returned if there is no value in the field.

8) When the OPTION value is GETLIST, this RPC returns a list of entries for the file number specified.

The DATA value is a one part value. It is a file number.

The TMP global contains:

```
^TMP("GMVMGR", $J,0)=piece1^piece2
^TMP("GMVMGR", $J,n)=piece3^piece4
```

where piece1 = number of entries returned
piece2 = file name [not returned in all cases]
piece3 = file number, a semi-colon and record IEN
piece4 = the .01 value of the record
n = sequential number starting with 1

Examples:

Retrieve a list of wards.

```
> S DATA=42
> S OPTION="GETLIST"
> D RPC^GMVRPCM(.RESULT,OPTION,DATA) ZW RESULT
> RESULT="^TMP("GMVMGR",539363784)"
> D ^%G
> Global ^TMP("GMVMGR", $J
> ^TMP("GMVMGR",539363784,0)=26^WARD LOCATION
    1)=42;14^10A
    n)=42;15^10B
```


26)=42;39^10Z

Retrieve a list of clinics.

```
> S DATA=44
> S OPTION="GETLIST"
> D RPC^GMVRPCM(.RESULT,OPTION,DATA) ZW RESULT
> RESULT="^TMP("GMVMGR",539363784)"
> D ^%G
> Global ^TMP("GMVMGR", $J
> ^TMP("GMVMGR",539363784,0)=61
    1)=44;6^HOUSE/A
    n)=44;8^HOUSE/C
    61)=44;39^HOUSE/ZZ
```

Retrieve a list vital types.

```
> S DATA=120.51
> S OPTION="GETLIST"
> D RPC^GMVRPCM(.RESULT,OPTION,DATA) ZW RESULT
> RESULT="^TMP("GMVMGR",539363784)"
> D ^%G
> Global ^TMP("GMVMGR", $J
> ^TMP("GMVMGR",539363784,0)=10^GMRV VITAL TYPE
    1)=120.51;1^BLOOD PRESSURE
    N)=120.51;19^CENTRAL VENOUS PRESSURE
    10)=120.51;9^WEIGHT
```

Retrieve a list of qualifiers.

```
> S DATA=120.52
> S OPTION="GETLIST"
> D RPC^GMVRPCM(.RESULT,OPTION,DATA) ZW RESULT
> RESULT="^TMP("GMVMGR",539363784)"
> D ^%G
> Global ^TMP("GMVMGR", $J
> ^TMP("GMVMGR",539363784,0)=80^GMRV VITAL QUALIFIER
    1)=120.52;74^ABDOMINAL
    n)=120.52;42^ACTUAL
    80)=120.52;99^WRIST
```

Retrieve a list of CPRS teams.

```
> S DATA=100.21
> S OPTION="GETLIST"
> D RPC^GMVRPCM(.RESULT,OPTION,DATA) ZW RESULT
> RESULT="^TMP("GMVMGR",539363784)"
> D ^%G
> Global ^TMP("GMVMGR", $J
> ^TMP("GMVMGR",539363784,0)=103
    1)=100.21;28^1AS
    n)=100.21;60^1ASO
    103)=100.21;96^consult team
```

Retrieve a list of nursing units.

```
> S DATA=211.4
> S OPTION="GETLIST"
> D RPC^GMVRPCM(.RESULT,OPTION,DATA) ZW RESULT
> RESULT="^TMP("GMVMGR",539363784)"
> D ^%G
> Global ^TMP("GMVMGR", $J
> ^TMP("GMVMGR",539363784,0)=21
    1)=211.4;7^10E
    n)=211.4;17^10W
```

Exported Options

21)=211.4;9^SICU

If an error is encountered, a "-1" followed by a caret and the error message text (i.e., -1^error message) is returned.

9) When the OPTION value is GETQUAL, this RPC returns a list of qualifiers associated with this vital type.

The DATA value is a two part value separated by a semi-colon. The first part is vital type (FILE 120.51) IEN. The second part is a category (FILE 120.53) IEN.

The TMP global contains:

```
^TMP("GMVMGR",$J,0)=piece1^piece2
^TMP("GMVMGR",$J,n)=piece3^piece4
```

where piece1 = number of entries found
piece2 = category name (FILE 120.53, Field .01)
piece3 = qualifier IEN
piece4 = qualifier name (FILE 120.52, Field .01)
n = sequential number starting with 1

Example:

```
> S DATA="1;1",OPTION="GETQUAL"
> D RPC^GMVRPCM(.RESULT,OPTION,DATA) ZW RESULT
> RESULT="^TMP("GMVMGR",539356158)"
> D ^%G
> Global ^TMP("GMVMGR",$J
> ^TMP("GMVMGR",539356158,0)=6^LOCATION
    1)=139^Test Qualifier
    2)=53^FEMORAL
    3)=2^L ARM
    4)=4^L LEG
    5)=24^PERIPHERAL
    6)=1^R ARM
```

If an error is encountered, a "-1" followed by a caret and the error message text (i.e., -1^error message) is returned.

10) When the OPTION value is GETTEMP, this RPC will return a list data input templates definitions.

The DATA value is a two part value separated by a caret. The first part is an entity value. See IA 2263 for a list of entities. The second part is a data input template name.

When DATA is null, all data input template definitions are returned.

The TMP global contains:

```
^TMP("GMVMGR",$J,0)=piece1
^TMP("GMVMGR",$J,n)=piece2^piece3^piece4^piece5^piece6
```

where piece1 = number of entries returned
piece2 = 1, 2, 3, or 4. (1 = Domain, 2 = Institution, 3 = Hospital location and 4 = New Person)
piece3 = file IEN, a semi-colon and global reference
piece4 = Field .01 value of the file specified in piece3
piece5 = template name

piece6 = template description text, a bar, vital type IEN (FILE 120.51), a colon, a metric flag (0=U.S. and 1=metric), category IEN (FILE 120.53), a coma, and a qualifier IEN (FILE 120.52), a tilde indicates additional category and qualifier combinations for the vital type. A semi-colon indicates the start of the next vital type.
 n = sequential number starting with 1

Example:

```
> S DATA="USR",OPTION="GETTEMP"
> D RPC^GMVRPCM(.RESULT,OPTION,DATA) ZW RESULT
> RESULT="^TMP("GMVMGR",539356158)"
> D ^%G
> Global ^TMP("GMVMGR",$J
> ^TMP("GMVMGR",539356158,0)=1
                                1)=4^547;VA(200,^VITUSER,ONE^MY DEFAULT^ALL
                                VITALS|1:0:1,2~2,59~3,50;20:1|
```

If an error is encountered, a "-1" followed by a caret and the error message text (i.e., -1^error message) is returned.

11) When the OPTION value is LOOKUP, this RPC will do a file lookup

The DATA value is a three part value separated by a caret. The first part is a file number. The second part is a value to look up. The third part is the field or fields to do the look up on. If the third piece is not defined, the lookup is done on the .01 field of the file.

The TMP global contains:

```
^TMP("GMVMGR",$J,0)=piece1
^TMP("GMVMGR",$J,n)=piece2^piece3
```

where piece1 = number of entries found
 piece2 = file number, a semi-colon and record IEN
 piece3 = field value

Example:

```
> S DATA="44^OUTPAT^.01",OPTION="LOOKUP"
> D RPC^GMVRPCM(.RESULT,OPTION,DATA) ZW RESULT
> RESULT="^TMP("GMVMGR",539359648)"
> D ^%G
> Global ^TMP("GMVMGR",$J
> ^TMP("GMVMGR",539359648,0)=3
                                1)=44;75^OUTPATIENT NUC MED
                                2)=44;74^OUTPATIENT RADIOLOGY
                                3)=44;80^OUTPATIENT ULTRASOUND
```

If an error is encountered, a "-1" followed by a caret and the error message text (i.e., -1^error message) is returned.

12) When the OPTION value is NEWQUAL, this RPC will always return an error message instructing the user to use the New Term Rapid Turnaround process.

The DATA value is always null.

Example:

```
> S DATA=""
```

Exported Options

```
> S OPTION="NEWQUAL"
> D RPC^GMVRPCM(.RESULT,OPTION,DATA) ZW RESULT
> RESULT="^TMP("GMVMGR",539356158)"
> D ^%G
> Global ^TMP("GMVMGR",$J
> ^TMP("GMVMGR",539356158,0)=-1^Use the New Term Rapid Turnaround (NTRT)
  process to add qualifiers
```

13) When the OPTION value is NEWTEMP, this RPC will file a new data input template.

The DATA value is a three part value separated by a caret. The first part is an entity. See IA 2263 for a list of entities. The second part is the name of the data input template. The third part is the description text. If the third part is null, the template description will default to "No Description".

The TMP global contains:

```
^TMP("GMVMGR",$J,0)=piece1^piece2^piece3^piece4
```

where piece1 = 1, 2, 3, or 4 (1 = DOMAIN (#4.2), 2 = INSTITUTION (#4),
3 = HOSPITAL LOCATION, and 4 = NEW PERSON)
piece2 = IEN, a semi-colon, and global reference (e.g., 3;DIC(4.2)
piece3 = the .01 field value for the record in piece2
piece4 = data input name

Example:

```
> S DATA="USR^1 EAST^All Vital Types"
> S OPTION="NEWTEMP"
> D RPC^GMVRPCM(.RESULT,OPTION,DATA) ZW RESULT
> RESULT="^TMP("GMVMGR",539343036)"
> D ^%G
> Global ^TMP("GMVMGR",$J
> ^TMP("GMVMGR",539343036,0)=4^547;VA(200,^VITUSER,ONE^1 EAST
```

If an error is encountered, a "-1" followed by a caret and the error message text (i.e., -1^error message) is returned.

14) When the OPTION value is RENTEMP, this RPC will rename a data input template.

The DATA value is a three part value separated by a caret. The first part is an entity. See IA 2263 for a list of entities. The second part is the current template name. The third part is the new name of the template.

The TMP global contains:

```
^TMP("GMVMGR",$J,0)=1^Renamed
```

Example:

```
> S DATA="USR^FRANK'S DEFAULT^MY DEFAULT"
> S OPTION="RENTEMP"
> D RPC^GMVRPCM(.RESULT,OPTION,DATA) ZW RESULT
> RESULT="^TMP("GMVMGR",539356158)"
> D ^%G
> Global ^TMP("GMVMGR",$J
> ^TMP("GMVMGR",539356158,0)=1^Renamed
```

If an error is encountered, a "-1" followed by a caret and the error

message text (i.e., -1^error message) is returned.

15) When the OPTION value is SETDATA, this RPC always returns an error message that instructs the user to use the New Term Rapid Turnaround process.

The DATA value is null.

Example:

```
> S DATA=""
> S OPTION="SETDATA"
> D RPC^GMVRPCM(.RESULT,OPTION,DATA) ZW RESULT
> RESULT="^TMP("GMVMGR",539356158)"
> D ^%G
> Global ^TMP("GMVMGR",$J
> ^TMP("GMVMGR",539356158,0)=-1^Use the New Term Rapid Turnaround (NTRT)
  process to add qualifiers
```

16) When the OPTION value is SETDEF, this RPC will set that data input template as a default.

The DATA value is a two part value separated by a caret. The first part is an entity. See IA 2263 for a list of entities. The second part is the name of the template that will become the default template.

The TMP global contains:

```
^TMP("GMVMGR",$J,0)=1^Set As Default
```

Example:

```
> S DATA="USR^FRANK'S LIST"
> S OPTION="SETDEF"
> D RPC^GMVRPCM(.RESULT,OPTION,DATA) ZW RESULT
> RESULT="^TMP("GMVMGR",539356158)"
> D ^%G
> Global ^TMP("GMVMGR",$J
> ^TMP("GMVMGR",539356158,0)=1^Set As Default.
```

If an error is encountered, a "-1" followed by a caret and the error message text (i.e., -1^error message) is returned.

17) When the OPTION value is SETHILO, this RPC will set the high and low abnormal values for a vital type.

The DATA value is a two part value separated by a caret. The first part is a field number in the GMRV VITALS PARAMETERS (#120.57) file. The second part is the value that field should be set to.

The TMP global contains:

```
^TMP("GMVMGR",$J,0)=1^Update Complete.
```

Example:

```
> S DATA="5.1^102",OPTION="SETHILO"
> D RPC^GMVRPCM(.RESULT,OPTION,DATA) ZW RESULT
> RESULT="^TMP("GMVMGR",539356158)"
> D ^%G
> Global ^TMP("GMVMGR",$J
> ^TMP("GMVMGR",539356158,0)=1^Update Complete.
```

Exported Options

If an error is encountered, a "-1" followed by a caret and the error message text (i.e., -1^error message) is returned.

18) When the OPTION value is SETTEMP, this RPC will save the input template definition.

DATA is a three part value separated by a caret. The first part is an entity. See IA 2263 for a list of entities. The second part is the template name. The third part is the template definition.

The TMP global contains:

```
^TMP("GMVMGR", $J, 0) = 1^Template Saved.
```

Example:

```
> S DATA="USR^ONE VITAL TYPE ONLY^CONTAINS ONLY ONE VITAL TYPE|2:0:1,102"|
> S OPTION="SETTEMP"
> D RPC^GMVRPCM(.RESULT,OPTION,DATA) ZW RESULT
> RESULT="^TMP("GMVMGR",539356158)"
> D ^%G
> Global ^TMP("GMVMGR", $J
> ^TMP("GMVMGR",539356158,0)=1^Template Saved.
```

If an error is encountered, a "-1" followed by a caret and the error message text (i.e., -1^error message) is returned.

19) When the OPTION value is VALID, this RPC will validate data.

DATA is a four part value separated by a caret. The first part is the a file number. The second part is a record number. The third part is a field number. The fourth part is the value to validate.

The TMP global contains:

```
^TMP("GMVMGR", $J, 0) = 1^Valid Data
```

Example:

```
> S DATA="120.5^8864^.01^3051012.1034",OPTION="VALID"
> D RPC^GMVRPCM(.RESULT,OPTION,DATA) ZW RESULT
> RESULT="^TMP("GMVMGR",539343036)"
> D ^%G
> Global ^TMP("GMVMGR", $J
> ^TMP("GMVMGR",539343036,0)=1^Valid Data
```

If an error is encountered, a "-1" followed by a caret and the error message text (i.e., -1^error message) is returned.

NAME: GMV MARK ERROR	TAG: ERROR
ROUTINE: GMVUTL1	RETURN VALUE TYPE: SINGLE VALUE
AVAILABILITY: SUBSCRIPTION	INACTIVE: ACTIVE

¹DESCRIPTION:
This remote procedure call marks a selected vitals record in the GMRV Vital Measurement (#120.5) file as entered-in-error.

This remote procedure call is documented in Integration Agreement 4414.

¹ April 2006 Patch GMRV*5.0*3 Updated the routine description.


```
> ^TMP(538993252,0)=TRAXLER,FRANK
```

3) When the OPTION value is GETLST, this RPC returns a list of instances and their values for the parameter and entity specified.

The TMP global contains:

```
^TMP($J,0)=piece1
^TMP($J,n)=piece2^piece3
```

```
where piece1 = number of entries returned
      piece2 = instance name
      piece3 = instance value
      n = sequential number starting with 1
```

Example:

```
> S OPTION="GETLST",ENT="USR",PAR="GMV USER DEFAULTS"
> D RPC(.RESULT,OPTION,ENT,PAR) ZW RESULT
> RESULT="^TMP(538993252)"
> D ^%G
> Global ^TMP($J
> ^TMP(538993252,0)=44
      1)=DefaultTemplate^547;VA(200,|MY DEFAULT|
      n)=UNIT_INDEX^0
      44)=WARD_INDEX^-1
```

4) When the OPTION value is GETPAR, this RPC will get the value for the instance, parameter and entity specified.

The TMP global contains:

```
^TMP($J,0)=piece1
```

```
where piece1 = value
```

Example:

```
> S ENT="USR",PAR="GMV USER DEFAULTS",INST="DefaultTemplate"
> S OPTION="GETPAR"
> D RPC(.RESULT,OPTION,ENT,PAR,INST) ZW RESULT
> RESULT="^TMP(538993252)"
> D ^%G
> Global ^TMP($J
> ^TMP(538993252,0)=547;VA(200,|MY DEFAULT|
```

5) When the OPTION value is SETPAR, this RPC set the value of an instance for the instance, parameter and entity specified.

The TMP global contains:

```
^TMP($J,0)=1^Parameter updated
```

Example:

```
> S OPTION="SETPAR",ENT="USR",PAR="GMV USER DEFAULTS",INST="SearchDelay"
> S VAL=1.5
> D RPC^GMVPAR(.RESULT,OPTION,ENT,PAR,INST,VAL) ZW RESULT
> RESULT="^TMP(538999278)"
> D ^%G
> Global ^TMP($J
> ^TMP(538999278,0)=1^Parameter updated
```

Exported Options

NAME: **GMV PT GRAPH** TAG: EN1
ROUTINE: GMVSR0 RETURN VALUE TYPE: SINGLE VALUE
AVAILABILITY: RESTRICTED INACTIVE: ACTIVE
DESCRIPTION:
Prints Vitals/Measurements Graphic Reports.
INPUT PARAMETER: GMVDATA PARAMETER TYPE: LITERAL
MAXIMUM DATA LENGTH: 150 REQUIRED: YES
SEQUENCE NUMBER: 1
DESCRIPTION:
A multi-piece variable that identifies the values needed to run the report.

Piece 1: DFN
2: Start date/time of the report range (FileMan format)
3: End date/time of the report range (FileMan format)
4: Number indicating graph type *
5: Device name (File 3.5, Field .01)
6: Device internal entry number
7: date/time to print the report (FileMan format)
8: ward internal entry number (File 42)
9: hospital location internal entry number (File 44)
10: list of rooms separated by a comma (e.g., 200,210,220)

* Graph = 1 prints Vital Signs Record
= 2 prints B/P Plotting Chart
= 3 prints Weight Chart
= 4 prints Pulse Oximetry/Respiratory Graph
= 5 prints Pain Chart

RETURN PARAMETER DESCRIPTION:

Returns a message stating the outcome of the request to queue the report. If the report was successfully queued, RESULT will be "Report sent to device. Task #: " ZTSK" where ZTSK is the task number of the job. If the report could not be queued, RESULT will be "Unable to task the report."

NAME: **GMV PTSELECT** TAG: RPC
ROUTINE: GMVRPCP RETURN VALUE TYPE: GLOBAL ARRAY
AVAILABILITY: RESTRICTED INACTIVE: ACTIVE
WORD WRAP ON: TRUE
DESCRIPTION:
Used as a method of processing a patient DFN and returning all warnings and notices (i.e. sensitivity or same last 4 of SSN) to the client application for processing. Also includes a call to log access of sensitive patients to the DG SECURITY LOG file.
INPUT PARAMETER: RESULT PARAMETER TYPE: REFERENCE
MAXIMUM DATA LENGTH: 30 REQUIRED: YES
SEQUENCE NUMBER: 1
DESCRIPTION:
This is the RPC return array variable.
INPUT PARAMETER: OPTION PARAMETER TYPE: LITERAL
MAXIMUM DATA LENGTH: 30 REQUIRED: YES
SEQUENCE NUMBER: 2
DESCRIPTION:
Contains the appropriate method to perform within this RPC call.

Options are:

SELECT: Performs a select of the supplied DFN (param 3) and returns the notices and warnings for the DFN

LOGSEC: Logs a security entry in the DG SECURITY LOG file.

```

INPUT PARAMETER: DFN                                PARAMETER TYPE: LITERAL
  MAXIMUM DATA LENGTH: 12                          REQUIRED: YES
  SEQUENCE NUMBER: 3
  DESCRIPTION:
  Contains the DFN of the patient to process in the SELECT or LOGSEC method
  of param 2.
INPUT PARAMETER: DATA                              PARAMETER TYPE: LITERAL
  MAXIMUM DATA LENGTH: 80                          REQUIRED: NO
  SEQUENCE NUMBER: 4
  DESCRIPTION:
  Used to pass in the option name to DGSEC when logging against the DG
  SECURITY LOG file.
  RETURN PARAMETER DESCRIPTION:
  RESULTS(0) =Success or failure flag (-1 or 1) from both SELECT & LOGSEC
             methods
  RESULTS(1..n)=Messages to process by the client from the SELECT method.

NAME: GMV QUALIFIER TABLE                        TAG: EN1
  ROUTINE: GMVCAQU                                  RETURN VALUE TYPE: GLOBAL ARRAY
  AVAILABILITY: RESTRICTED                          INACTIVE: ACTIVE
  WORD WRAP ON: TRUE
  DESCRIPTION:
  Prints a list of categories and qualifiers associated with individual
  vital types (e.g., blood pressure). Data comes from the GMRV Vital
  Qualifier (#120.52) file and the GMRV Vital Category (#120.53) file.
INPUT PARAMETER: GMVDATA                            PARAMETER TYPE: LITERAL
  MAXIMUM DATA LENGTH: 150                         REQUIRED: YES
  SEQUENCE NUMBER: 1
  DESCRIPTION:
  A multi-piece variable that identifies the values needed to run the
  report.

  Piece  1: n/a
         2: n/a
         3: n/a
         4: n/a
         5: Device name (File 3.5, Field .01)
         6: Device internal entry number
         7: date/time to print the report (FileMan format)
         8: n/a
         9: n/a
        10: n/a
  RETURN PARAMETER DESCRIPTION:
  Returns a message stating the outcome of the request to queue the report.
  If the report was successfully queued, RESULT will be "Report sent to
  device. Task #: " ZTSK" where ZTSK is the task number of the job. If the
  report could not be queued, RESULT will be "Unable to task the report."

NAME: GMV ROOM/BED                                TAG: ROOMBED
  ROUTINE: GMVGETD                                  RETURN VALUE TYPE: GLOBAL ARRAY
  AVAILABILITY: RESTRICTED                          INACTIVE: ACTIVE
  WORD WRAP ON: TRUE
  DESCRIPTION:
  This procedure extracts room/bed information from Room-Bed file (#405.4)
  for a given MAS ward.
INPUT PARAMETER: GMRWARD                            PARAMETER TYPE: LITERAL
  MAXIMUM DATA LENGTH: 30                          REQUIRED: YES
  SEQUENCE NUMBER: 1
  DESCRIPTION:
  GMRWARD is a MAS ward name from the Ward Location file (#42).

```

Exported Options

RETURN PARAMETER DESCRIPTION:

Returns the global array name (i.e., ^TMP(\$J,"GROOM")) containing a list of rooms/beds for the given MAS ward.

^TMP(\$J,"GROOM",n)=Roombed

n is a sequential number starting at 1.

If there is no data, then the global array is undefined.

NAME: **GMV TEAM PATIENTS**

ROUTINE: GMVUTL3

AVAILABILITY: RESTRICTED

WORD WRAP ON: TRUE

DESCRIPTION:

This procedure retrieves patients assigned to a given team.

INPUT PARAMETER: GMVTEAM

MAXIMUM DATA LENGTH: 30

SEQUENCE NUMBER: 1

DESCRIPTION:

GMVTEAM is the internal entry number of the selected team (File 100.21).

RETURN PARAMETER DESCRIPTION:

Returns a list of patients in the array specified.

RESULT(n)=Patient name^DFN^SSN (w/hyphens)^DOB (external)^SEX and AGE^
Attending^Veteran^Date of Death (external)^Date of Death
(internal)^Ward name^Roombed

n is a sequential number starting at 1.

NAME: **GMV USER**

ROUTINE: GMVRPCU

AVAILABILITY: SUBSCRIPTION

WORD WRAP ON: TRUE

¹DESCRIPTION:

Retrieves data about the user (e.g., parameter settings).

This remote procedure call is documented in Integration Agreement 4366.

INPUT PARAMETER: OPTION

MAXIMUM DATA LENGTH: 10

SEQUENCE NUMBER: 1

DESCRIPTION:

Routine tag line to call in GMVRPCU.

INPUT PARAMETER: DATA

MAXIMUM DATA LENGTH: 100

SEQUENCE NUMBER: 2

DESCRIPTION:

Other data as required for the call.

RETURN PARAMETER DESCRIPTION:

This Remote Procedure Call (RPC) performs various actions focusing on the user. The entry point is RPC^GMVRPCU. It has input parameters of RESULTS, OPTION and DATA (e.g., RPC^GMVRPCU(RESULTS,OPTION,DATA)).

The RESULTS variable contains the results of the call or the location where the results can be found.

The OPTION variable identifies another entry point in the GMVRPCU routine

¹ April 2006 Patch GMRV*5.0*3 Updated the routine description.

that is invoked to process the call.

The DATA variable contains any values needed by the OPTION variable to process the call.

1) When the OPTION value is SETPAR, this RPC will set and/or delete the value of a GMV USER DEFAULTS setting (e.g., the user's default template).

The DATA value is a two part value separated by a caret. The first part is name of a setting. The second part is the value of the setting. If the second part is null, the existing value of the setting is deleted.

The TMP global contains:

```
^TMP("GMVUSER", $J, 0) = 1 ^Parameter set.
or
^TMP("GMVUSER", $J, 0) = 1 ^Parameter cleared
```

Example:

```
> S DATA="DefaultTemplate^547;VA(200, |MY DEFAULT", OPTION="SETPAR" |
> D RPC^GMVRPCU(.RESULT, OPTION, DATA) ZW RESULT
> RESULT="^TMP("GMVUSER", 539374023)"
> D ^%G
> Global ^TMP("GMVUSER", $J
> ^TMP("GMVUSER", 539374023, 0) = 1 ^Parameter set.
```

If an error is encountered, a "-1" followed by a caret and the error message text (i.e., -1^error message) is returned.

2) When the OPTION value is GETPAR, this RPC will return the value of the GMV USER DEFAULTS setting specified in the DATA value.

The DATA value is a one part value. It is the name of a setting (e.g., the user's default template).

The TMP global contains:

```
^TMP("GMVUSER", $J, 0) = value of setting or null
```

Example:

```
> S DATA="DefaultTemplate", OPTION="GETPAR"
> D RPC^GMVRPCU(.RESULT, OPTION, DATA) ZW RESULT
> RESULT="^TMP("GMVUSER", 539374023)"
> D ^%G
> Global ^TMP("GMVUSER", $J
> ^TMP("GMVUSER", 539374023, 0) = 547;VA(200, |ONE VITAL TYPE ONLY|
```

3) When the OPTION value is SIGNON, this RPC will return information about the user who is currently signed onto the system.

The DATA value is not used. The user's IEN (i.e., DUZ) to the NEW PERSON (#200) file value must be defined when this call is made.

The RESULT variable will return the following array:

```
RESULT(0)=NEW PERSON (#200) file internal entry number (DUZ)
RESULT(1)=User's name (FILE 200, Field .01)
RESULT(2)=Domain (FILE 4.2) internal entry number
RESULT(3)=Domain name (FILE 4.2, Field .01)
RESULT(4)=Institution (FILE 4) internal entry number the user is signed
```

Exported Options

```
into (i.e., DUZ(2))
RESULT(5)=Institution name (FILE 4, Field .01)
RESULT(6)="0" or "1". "1" indicates the user has the GMV MANAGER or
programmer key. "0" indicates the user has neither key.
RESULT(7)=The user's title (FILE 200, Field 8)
RESULT(8)=This value is always null.
RESULT(9)=Number of seconds the system will wait for a response from
the user (i.e., DTIME). The default time is 300 seconds.
RESULT(10)=INSTITUTION (#4) file IEN^FILE 4 external value^station
number (e.g., 499^SUPPORT ISC^499).
```

Example:

```
> S OPTION="SIGNON"
> D RPC(.RESULT,OPTION) ZW RESULT
> RESULT="^TMP("GMVUSER",539375907)"
> D ^%G
> Global ^TMP("GMVUSER", $J
> ^TMP("GMVUSER",539375907,0)=547
1)=VITUSER,ONE
2)=334
3)=DEV.DEV.FO-HINES.MED.VA.GOV
4)=499
5)=SUPPORT ISC
6)=1
7)=PROGRAMMER
8)=
9)=9999
10)=499^SUPPORT ISC^499
```

```
NAME: GMV V/M ALLDATA TAG: VMDDATA
ROUTINE: GMVGGRI RETURN VALUE TYPE: GLOBAL ARRAY
AVAILABILITY: SUBSCRIPTION INACTIVE: ACTIVE
WORD WRAP ON: TRUE
```

¹DESCRIPTION:

This remote procedure call lists all vitals/measurements data for a given date/time span.

This remote procedure call is documented in Integration Agreement 4654.

```
INPUT PARAMETER: GMVDDATA PARAMETER TYPE: LITERAL
MAXIMUM DATA LENGTH: 60 REQUIRED: YES
SEQUENCE NUMBER: 1
```

DESCRIPTION:

GMVDDATA consists of 4 pieces of data:

```
piece1^piece2^piece3^piece4
```

```
where piece1 = File 2 IEN (i.e., DFN)
piece2 = Start date/time for search (FileMan internal format)
piece3 = End date/time for search (FileMan internal format)
piece4 = 0 (zero)
```

RETURN PARAMETER DESCRIPTION:

RESULT array returns the data or a "NO DATA" message.

Case A: The NO DATA message is returned.

The TMP global returns:

¹ April 2006 Patch GMRV*5.0*3 Updated the routine description.

```

^TMP($J,1)=lastname,first  social security number  date of birth  age
              "(Yrs)"  gender
^TMP($J,2)="Unit:"  unit  "Room:"  room
^TMP($J,3)="Division:"  division
^TMP($J,4)=  search date range
^TMP($J,5)="NO DATA"

```

Example:

```

> S GMVDATA="90^3051012^3051012^0"
> D VMDATA^GMVGGRI(.RESULT,GMVDATA) ZW RESULT
> RESULT="^TMP(539349605)"
> D ^%G
> Global ^TMP($J
> ^TMP(539349605,1)=VITPATIENT,ONE 000-11-1234  JAN 2,1934  71 (Yrs)
              MALE
              2)=Unit:      Room:
              3)=Division:
              4)=OCT 11,2005 - OCT 11,2005
              5)=NO DATA

```

Casee B: Fourth piece of GMVDATA (Flag) is 0

The TMP global returns:

```

^TMP($J,1)=lastname,first social security number  date of birth  age
              "(Yrs)"  sex
^TMP($J,2)="Unit:"  unit  "Room:"  room
^TMP($J,3)="Division:"  division
^TMP($J,4)=  search date range
^TMP($J,n)=piece1 through piece23

```

```

where piece1 = date of reading in mm-dd-yy format
piece2 = time of reading in hh:mm:ss format
piece3 = Temperature value and qualifier abbreviations
piece4 = Pulse value and qualifier abbreviations
piece5 = Respiration and qualifier abbreviations
piece6 = Pulse Oximetry value, qualifier abbreviations, flow rate
              and percentage value
piece7 = Blood Pressure value and qualifier abbreviations
piece8 = Weight value (pounds) and qualifier abbreviations
piece9 = Weight value (kilos)
piece10 = Body Mass Index calculation
piece11 = Height value (inches) and qualifier abbreviations
piece12 = Height value (centimeters)
piece13 = Circumference Girth value (inches) and qualifier
              abbreviations
piece14 = Circumference Girth value (centimeters)
piece15 = Central Venous Pressure value (cmH2O)
piece16 = Central Venous Pressure value (mmHg)
piece17 = Input value (from Intake & Output package)
piece18 = Output value (from Intake & Output package)
piece19 = Pain value
piece20 = always null
piece21 = always null
piece22 = hospital location (FILE 44, Field .01)
piece23 = name of person who entered the data (FILE 200, Field .01)

```

Example:

```

> S GMVDATA="134^3050901^3050930^0"
> D VMDATA^GMVGGRI(.RESULT,GMVDATA) ZW RESULT

```

Exported Options

```
> RESULT="^TMP(539349605)"
> D ^%G
> Global ^TMP($J
> ^TMP(539349605,1)=VITPATIENT,TWO 000-11-1234 JUN 1,1957 48 (Yrs)
      FEMALE
      2)=Unit: 2-ASM Room:
      3)=Division: TEST HINES
      4)=SEP 1,2005 - SEP 30,2005
      5)=09-14-05^17:18:00^^^^^^135- A St^61.36^22^66-
        A^167.64^^^^^^^ ^^2-ASM^VITPROVIDER,ONE
      6)=09-26-05^11:30:57^^^^^^120/80*- La Si Car
        Clf^^^^^^^^^^^^^^^^^^2-A SM^VITPROVIDER,TWO
```

```
NAME: GMV VITALS/CAT/QUAL TAG: GETVITAL
ROUTINE: GMVUTL7 RETURN VALUE TYPE: ARRAY
AVAILABILITY: SUBSCRIPTION INACTIVE: ACTIVE
WORD WRAP ON: TRUE
```

¹DESCRIPTION:

Returns all qualifier information for the vital types selected.

This remote procedure call is documented in Integration Agreement 4359.

```
INPUT PARAMETER: GMVLIST PARAMETER TYPE: LITERAL
MAXIMUM DATA LENGTH: 60 REQUIRED: YES
SEQUENCE NUMBER: 1
```

DESCRIPTION:

A list of vital type abbreviations (FILE 120.51, Field 1) separated by up-arrows (e.g., "HT^WT" for height and weight). When the value is null, all qualifier information will be returned for all vital types.

RETURN PARAMETER DESCRIPTION:

Returns the qualifier information for the selected vital types in the array specified. Includes the abnormal high and low values for the vital type, if any.

The result array contains:

```
RESULT(n)=piece1^piece2^piece3^piece4^piece5^piece6^piece7^piece8^piece9
RESULT(n.nnn)=pieceA^pieceB^pieceC^pieceD
```

where n is a sequential number starting with 1

```
piece1 = V for vital type
piece2 = FILE 120.51 IEN for this vital type
piece3 = vital type name (FILE 120.51, Field .01)
piece4 = Abbreviation (FILE 120.51, Field 1)
piece5 = PCE Abbreviation (FILE 120.51, Field 7)
piece6 = If vital type is Blood Pressure this is the
         abnormal systolic high value (File 120.57, Field 5.7).
         If vital type is Temperature, this is the abnormal high
         value (File 120.57, Field 5.1)
         If vital type is Respiration, this is the abnormal high
         value (File 120.57, Field 5.5)
         If vital type is Pulse, this is the abnormal high value
         (File 120.57, Field 5.3)
         If vital type is Central Venous Pressure, this is the
         abnormal high value (File 120.57, Field 6.1)
piece7 = If vital type is Blood Pressure this is the
         abnormal diastolic high value (File 120.57, Field 5.71).
         If vital type is Temperature, this is the abnormal low
         value (File 120.57, Field 5.2)
```

¹ April 2006 Patch GMRV*5.0*3 Updated the routine description.


```

    If vital type is Respiration, this is the abnormal low
    value (File 120.57, Field 5.6)
    If vital type is Pulse, this is the abnormal low value
    (File 120.57, Field 5.4)
    If vital type is Central Venous Pressure, this is the
    abnormal low value (File 120.57, Field 6.2)
piece8 = If vital type is Blood Pressure this is the
    abnormal systolic low value (File 120.57, Field 5.8).
    If vital type is Central Pressure, this is the abnormal
    O2 saturation (File 120.57, Field 6.3)
piece9 = If vital type is Blood Pressure this is the
    abnormal diastolic low value (File 120.57, Field 5.81).

RESULT(n.nnn)=pieceA^pieceB^pieceC^pieceD
  where pieceA = C for CATEGORY or Q for QUALIFIER

  if pieceA is C, then
    pieceB = FILE 120.53 IEN for this category
    pieceC = category name (FILE 120.53, Field .01)
    pieceD = null

  if pieceB is Q, then
    pieceB = FILE 120.52 IEN for this qualifier
    pieceC = qualifier name (FILE 120.52, Field .01)
    pieceD = synonym (FILE 120.52, Field .02)

```

Example:

```

> S GMVLIST="HT^WT"
> D GETVITAL^GMVUTL7(.RESULT,GMVLIST) ZW RESULT
> RESULT(1)="V^8^HEIGHT^HT^HT^"
> RESULT(1.001)="C^4^QUALITY"
> RESULT(1.002)="Q^42^ACTUAL^A"
> RESULT(1.003)="Q^43^ESTIMATED^E"
> RESULT(1.004)="Q^107^Stated^St"
> RESULT(2)="V^9^WEIGHT^WT^WT^"
> RESULT(2.001)="C^2^METHOD"
> RESULT(2.002)="Q^39^OTHER^Oth"
> RESULT(2.003)="Q^50^SITTING^Si"
> RESULT(2.004)="Q^51^STANDING^St"
> RESULT(2.005)="C^4^QUALITY"
> RESULT(2.006)="Q^42^ACTUAL^A"

```

```

NAME: GMV WARD LOCATION TAG: WARDLOC
ROUTINE: GMVGETD RETURN VALUE TYPE: GLOBAL ARRAY
AVAILABILITY: RESTRICTED INACTIVE: ACTIVE
WORD WRAP ON: TRUE

```

¹DESCRIPTION:

This procedure extracts MAS ward locations from the Ward Location file (#42).

```

INPUT PARAMETER: DUMMY PARAMETER TYPE: LITERAL
MAXIMUM DATA LENGTH: 1 REQUIRED: NO
SEQUENCE NUMBER: 1

```

DESCRIPTION:

When this input parameter is set to the letter "P", only wards that have patients will be returned. Otherwise, all active wards will be returned.

RETURN PARAMETER DESCRIPTION:

Returns the global array name containing a list of MAS wards (i.e.,

¹ September 2008 Patch GMRV*5.0*22 Updated description.

Exported Options

```
^TMP($J,"GWARD").
```

```
^TMP($J,"GWARD",n)=piece1^piece2^piece3
```

where:

```
piece1 = ward IEN (FILE 42)
piece2 = ward name (FILE 42, Field .01)
piece3 = hospital location IEN (FILE 44)
n is a sequential number starting at 1.
```

Example:

```
> S DUMMY="P"
> D WARDLOC^GMVGETD(.RESULT,DUMMY) ZW RESULT
> RESULT="^TMP(540221719,"GWARD")"
> D ^%G
> Global ^TMP($J,"GWARD"
> ^TMP(540221719,"GWARD",1)=2^1AS^2
                                2)=1^2-AS^1
                                3)=13^2-ASM^67
                                4)=25^214-2 DOM^149
                                5)=3^3AS^128
                                6)=4^4AS-1^4
                                7)=22^4B^153
                                8)=23^4C^155
                                9)=24^4D^154
                                10)=12^5NM^63
                                11)=6^6AS^10
                                12)=7^7AS^11
                                13)=8^DOM^23
                                14)=10^MICU^36
                                15)=5^NHCUC^5
```

```
NAME: GMV WARD PT TAG: WARDPT
ROUTINE: GMVGETD RETURN VALUE TYPE: GLOBAL ARRAY
AVAILABILITY: RESTRICTED INACTIVE: ACTIVE
WORD WRAP ON: TRUE
DESCRIPTION:
This procedure lists patients registered on a particular MAS ward.
INPUT PARAMETER: GMRWARD PARAMETER TYPE: LITERAL
MAXIMUM DATA LENGTH: 30 REQUIRED: YES
SEQUENCE NUMBER: 1
DESCRIPTION:
GMRWARD contains the name of ward from Ward Location file (#42).
RETURN PARAMETER DESCRIPTION:
Returns the name of the global array containing the list of patients on
the selected ward (i.e., ^TMP($J,"GMRPT")).
```

```
^TMP($J,"GMRPT",n)=DFN^Name^SSN (w/hyphens)^DOB^Sex and Age^Attending^
Veteran^Date of Death (internal)^Date of Death
(external)^Ward name^Roombed
```

n is a sequential number starting at 1.

If there are no patients on the ward, then the global array is undefined.

```
NAME: GMV WARD/ROOM PATIENTS TAG: ROOMPT
ROUTINE: GMVUTL7 RETURN VALUE TYPE: ARRAY
AVAILABILITY: RESTRICTED INACTIVE: ACTIVE
```


Exported Options

```
RPC: VAFCTFU CONVERT DFN TO ICN
RPC: VAFCTFU CONVERT ICN TO DFN
RPC: GMV DLL VERSION
RPC: GMV LOCATION SELECT
  UPPERCASE MENU TEXT: VITALS/MEASUREMENTS GUI APPLIC
```