**Conformance Statement - SIU**

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# Introduction

## Purpose

The purpose of this document is to facilitate the communication of scheduling requests and information between applications by providing guidelines for the Schedule Information Unsolicited (SIU) message type.

## Target Group

This document is intended for external suppliers and system administrators at VGR.

## References

For details on the message segments and trigger events – review the HL7 Messaging Standard Version 2.6 Product Brief:

* Chapter 2 (Control)
* Chapter 3 (Patient Administration)
* Chapter 10 (Scheduling)

And VGR specific segment statements:

* Conformance Statement – PID Segment.docx

## Message Profile

– HL7 Version: 2.6

– Profile Type: Constrainable

## Revision history

|  |  |  |  |
| --- | --- | --- | --- |
| Revision | Datum | Beskrivning | Utfärdare |
| PA1 | 2016-08-11 | Initial version. | Robin Seybold |
| PA2 | 2016-10-17 | Moved the PID segment to a separate document. | Robin Seybold |
| PA3 | 2016-12-21 | Updated Seq 7 in MSH to type DTM. | Robin Seybold |
| PA4 | 2017-02-08 | Added PV1 and ZPV segments. | Robin Seybold |
| PA5 | 2017-02-22 | Added TQ1-8 End Date/Time and updated the description for TQ1-7. Trimmed the NTE-4 table. Added PV1 segment. | Robin Seybold |
| PA6 | 2017-03-06 | SCH-2 is now required.  Updated description for PV1 fields.  Added ZPV segment | Robin Seybold |

# SIU

VGR supports the following SIU trigger events:

• SIU^S12 - "Notification of new appointment booking"  
• SIU^S13 - "Notification of appointment rescheduling"  
• SIU^S14 - "Notification of appointment modification"  
• SIU^S15 - "Notification of appointment cancellation"  
• SIU^S17 - "Notification of appointment deletion"

The following message structure is applied to all supported trigger events.

MSH Message Header   
 SCH Schedule Activity Information   
[{ TQ1 }] Timing/Quantity  
[{ NTE }] Notes and Comments  
[{ --- PATIENT begin  
 PID Patient Identification  
 [ PV1 ] Patient Visit  
 [ ZPV ] Additional Patient Visit Information  
]} --- PATIENT end  
  
 { RGS Resource Group Segment  
 [{ AIS Appointment Information - Service  
 [{ NTE }] Notes and Comments  
 }  
 ]  
 [{ AIG Appointment Information – General Resource  
 [{ NTE }] Notes and Comments  
 }  
 ]  
 [{ AIL Appointment Information – Location Resource  
 [{ NTE }] Notes and Comments  
 }  
 ]  
 [{ AIP Appointment Information – Personnel Resource  
 [{ NTE }] Notes and Comments  
 }  
 ]  
}

## MSH – Message Header

The MSH segment defines the intent, source, destination, and some specifics of the syntax of a message.

Usage: Required  
Cardinality: 1..1

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Seq. | Name | Type | Table | Len | Opt | Card | Contents |
| 1 | Field Separator | ST |  | 1 | R | 1..1 | e.g. | |
| 2 | Encoding Characters | ST |  | 4 | R | 1..1 | e.g. ^~\& |
| 3 | Sending Application | HD | 0361 | 227 | R | 1..1 |  |
| 3.1 | namespace ID | IS |  | 50 | R | .. | HSA-ID |
| 4 | Sending Facility | HD | 0362 | 227 | O | 0..1 |  |
| 4.1 | namespace ID | IS |  | 50 | O | .. | HSA-ID |
| 5 | Receiving Application | HD | 0361 | 227 | O | 0..1 |  |
| 5.1 | namespace ID | IS |  | 50 | O | .. | HSA-ID |
| 6 | Receiving Facility | HD | 0362 | 227 | O | 0..1 |  |
| 6.1 | namespace ID | IS |  | 50 | O | .. | HSA-ID |
| 7 | Date/Time Of Message | DTM |  | 24 | R | 1..1 | e.g. 200511250945 |
| 9 | Message Type | CM\_MSG | 0076 | 15 | R | 1..1 |  |
| 9.1 | message type | ID | 0076 | 3 | R | .. | e.g. SIU |
| 9.2 | trigger event | ID | 0003 | 3 | R | .. | e.g. S12 |
| 9.3 | message structure | ID | 0354 | 7 | O | .. | e.g. SIU\_S12 |
| 10 | Message Control ID | ST |  | 20 | R | 1..1 | e.g. 0000001 |
| 11 | Processing ID | PT |  | 3 | R | 1..1 |  |
| 11.1 | processing ID | ID | 0103 | 3 | R | .. | e.g. P |
| 12 | Version ID | VID | 0104 | 973 | R | 1..1 |  |
| 12.1 | version ID | ID | 0104 | 60 | R | .. | e.g. 2.6 |
| 18 | Character Set | ID | 0211 | 16 | O | 0..\* | e.g. UNICODE UTF-8 |

**1. Field Separator**  
This field contains the separator between the segment ID and the first real field, MSH-2- encoding characters. As such it serves as the separator and defines the character to be used as a separator for the rest of the message. Recommended value and used by VGR is |, (ASCII 124).

**2. Encoding Characters**This field contains the four characters in the following order: the component separator, repetition separator, escape character, and subcomponent separator. Recommended values and used by VGR are ^~\&, (ASCII 94, 126, 92, and 38).

**3. Sending Application**This field uniquely identifies the sending application among all other applications within the network enterprise. The network enterprise consists of all those applications that participate in the exchange of HL7 messages within the enterprise. Entirely site-defined and a parameter for VGR.

**4. Sending Facility**This field uniquely identifies the sending facility among all other applications within the network enterprise. The network enterprise consists of all those applications that participate in the exchange of HL7 messages within the enterprise. Entirely site-defined and a parameter for VGR.

**5. Receiving Application**This field uniquely identifies the receiving application among all other applications within the network enterprise. The network enterprise consists of all those applications that participate in the exchange of HL7 messages within the enterprise. Entirely site-defined and a parameter for VGR.

**6. Receiving Facility**This field uniquely identifies the receiving facility among all other applications within the network enterprise. The network enterprise consists of all those applications that participate in the exchange of HL7 messages within the enterprise. Entirely site-defined and a parameter for VGR.

**7. Date/Time Of Message**This field contains the date/time that the sending system created the message. If the time zone is specified, it is expected to be the local time zone.

**9. Message Type**Should be SIU^Sxx^SIU\_S12

**10. Message Control ID**This field contains a number or other identifier that uniquely identifies the message. The receiving system echoes this ID back to the sending system in the Message acknowledgment segment (MSA).

**11.1. processing ID**Should be P for Production, T for Test

**12.1. version ID**Should be 2.6

**18. Character Set**Should be UNICODE UTF-8

## SCH – Schedule Activity Information

The SCH segment contains general information about the scheduled appointment.

Usage: Required   
Cardinality: 1..1

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Seq. | Name | Type | Table | Len. | Opt | Card | Contents |
| 1 | Placer Appointment ID | EI |  | 75 | C | 0..1 |  |
| 2 | Filler Appointment ID | EI |  | 75 | R | 1..1 |  |
| 4 | Placer Group Number | EI |  | 22 | O | 0..1 |  |
| 6 | Event Reason | CE |  | 250 | R | 1..1 |  |
| 7 | Appointment Reason | CE |  | 250 | O | 0..1 |  |
| 8 | Appointment Type | CE |  | 250 | O | 0..1 |  |
| 16 | Filler Contact Person | XCN |  | 250 | R | 1..\* |  |
| 20 | Entered By Person | XCN |  | 250 | R | 1..\* |  |
| 24 | Parent Filler Appointment ID | EI |  | 75 | C | 0..1 |  |

**1. Placer Appointment ID**  
This field contains the placer application’s permanent identifier for the appointment request (and the scheduled appointment itself, when it has been confirmed as a booked slot by the filler application). This is a composite field.

**2. Filler Appointment ID**  
This field contains the filler application’s permanent identifier for the appointment request (and the scheduled appointment itself, when it has been confirmed as a booked slot by the filler application). This is a composite field.

**4. Placer Group Number**  
The placer application can provide a group number for the filler application as an anonymous reference to the appointment. A number of appointments may share the number based on a logic grouping, e.g. all appointments for one patient during the course of one day.

**6. Event Reason**  
This field contains an identifier code for the reason that the notification event was triggered. This field may contain a code describing the cancel reason, the delete reason, the discontinue reason, the add reason, the block reason or any other code describing the reason that a specific event will occur.

**7. Appointment Reason**  
This field contains an identifier code for the reason that the appointment is to take place.

**8. Appointment Type**  
This field contains the identifier code for the type of appointment.

**16. Filler Contact Person**  
This field identifies the person responsible for the scheduling of the requested appointment.

**20. Entered By Person**  
This field identifies the person responsible for entering the request for the scheduling of an appointment. It is included to provide an audit trail of persons responsible for the request.

**24. Parent Filler Appointment ID**  
This field relates a child to its parent, when a parent-child relationship exists. It contains the placer application's permanent identifier for the parent of the appointment request. This is a composite field.

## TQ1 – Timing/Quantity

The TQ1 segment is used to specify the complex timing of events and actions such as those that occur in order management and scheduling systems. This segment determines the quantity, frequency, priority and timing of a service.

Usage: Optional   
Cardinality: 0..\*

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Seq. | Name | Type | Table | Len. | Opt | Card | Contents |
| 7 | Start date/time | DTM |  | 26 | O | 0..1 | e.g. 201212121212 |
| 8 | End date/time | DTM |  | 26 | O | 0..1 | e.g. 201212121400 |

**7. Start Date/Time**The start time for the booking

**8. End Date/Time**The end time for the booking

## NTE – Notes and Comments

The NTE segment is defined here for inclusion in messages defined in other chapters. It is commonly used for sending notes and comments.

Usage: Optional   
Cardinality: 0..\*

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Seq. | Name | Type | Table | Len. | Opt | Card | Contents |
| 1 | Set ID - NTE | SI |  | 4 | O | 0..1 | e.g. 001 |
| 3 | Comment | FT |  | 65536 | O | 0..\* |  |
| 4 | Comment Type | CWE | 0364 | 250 | O | 0..1 | e.g. 1R |

**1. Set ID**  
This field may be used where multiple NTE segments are included in a message. Their numbering must be described in the application message definition.

**3. Comment**  
This field contains the comment contained in the segment.

**4. Comment Type**  
This field contains a value to identify the type of comment text being sent in the specific comment record.

User-defined Table 0364 - Comment type

|  |  |  |
| --- | --- | --- |
| Value | Description | Comment |
| PI | Patient Instructions | Comments related to the booking that are of importance to the patient. E.g. wayfinding instructions |
| 1R | Primary Reason | A brief summary of the reason for creating the appointment |
| RE | Remark | A general comment about the appointment |

## PATIENT Segment Group

Usage: Optional   
Cardinality: 0..\*

### PID – Patient Identification

For details on how to define the PID Segment, refer to the Conformance Statement – PID Segment.docx document.

Usage: Required   
Cardinality: 1..1

### PV1 – Patient Visit

The PV1 segment is used by Registration/Patient Administration applications to communicate information on an account or visit-specific basis.

Usage: Optional   
Cardinality: 0..1

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Seq. | Name | Type | Table | Len. | Opt | Card | Contents |
| 2 | Patient Class | IS | 0004 | 1 | R | 1..1 |  |
| 3 | Assigned Patient Location | PL |  | 80 | O | 0..1 |  |
| 11 | Temporary Location | PL |  | 80 | O | 0..1 |  |
| 47 | Total Charges | NM |  | 12 | O | 0..1 |  |

**2. Patient Class**  
This field is used by systems to categorize patients by site. Refer to User-defined Table 0004 – Patient Class for suggested values.

User-defined Table 0004 – Patient Class

|  |  |  |
| --- | --- | --- |
| Value | Description | Comment |
| E | Emergency |  |
| I | Inpatient |  |
| O | Outpatient |  |
| P | Preadmit |  |
| R | Recurring patient |  |
| B | Obstetrics |  |
| C | Commercial Account |  |
| N | Not Applicable |  |
| U | Unknown |  |

**3. Assigned Patient Location**  
This field contains the patient's initial assigned location or the location to which the patient is being moved.

**11. Temporary Location**  
This field contains a location other than the assigned location required for a temporary period of time. Used as current patient location when setting wayfinding instructions.

**47. Total Charges**  
This field contains the total visit charges.

### ZPV – Additional Patient Visit Information

The ZPV segment has been added to support additional information connected to the patient visit at VGR.

Usage: Optional   
Cardinality: 0..1

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Seq. | Name | Type | Table | Len. | Opt | Card | Contents |
| 1 | Self Check Code | ST |  | 10 | O | 0..1 |  |
| 2 | Self Service Enabled | NM |  | 1 | O | 0..1 | e.g. 1 |
| 3 | Cost Center | CX |  | 5 | O | 0..1 | e.g. 22730 |

## RESOURCES Segment Group

The RGS segment is used to identify relationships between resources identified for a scheduled event. This segment can be used, on a site specified basis, to identify groups of resources that are used together within a scheduled event, or to describe some other relationship between resources.

Usage: Required  
Cardinality: 1..\*

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Seq. | Name | Type | Table | Len. | Opt | Card | Contents |
| 1 | Set ID - RGS | SI |  | 4 | R | 1..1 | e.g. 001 |
| 2 | Segment Action Code | ID | 0206 | 3 | C | 0..1 | e.g. A |

**1. Set ID - RGS**   
This field contains a number that uniquely identifies the information represented by this segment in this transaction for the purposes of addition, change or deletion.

**2. Segment Action Code**  
This field contains the action to be taken when updating or modifying information in this segment from previously sent interface transactions.

This field is required for all updating or modifying trigger events.

### AIS - Appointment Information - Service

The AIS segment contains information about various kinds of services that can be scheduled.

Usage: Optional  
Cardinality: 0..\*

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Seq. | Name | Type | Table | Len. | Opt | Card | Contents |
| 1 | Set ID - AIS | SI |  | 4 | R | 1..1 | e.g. 001 |
| 2 | Segment Action Code | ID | 0206 | 3 | C | 0..1 | e.g. A |
| 3 | Universal Service Identifier | CWE |  | 705 | R | 1..1 |  |
| 4 | Start Date/Time | DTM |  | 24 | C | 0..1 | e.g. 201608230918 |
| 7 | Duration | NM |  | 20 | O | 0..1 | e.g. 30 |
| 8 | Duration Units | CNE |  | 250 | O | 0..1 | e.g. Min |
| 9 | Allow Substitution Code | IS | 0279 | 10 | C | 0..1 | e.g. Yes |
| 10 | Filler Status Code | CWE | 0278 | 250 | C | 0..1 |  |
| 11 | Placer Supplemental Service Information | CWE | 0411 | 705 | O | 0..\* |  |
| 12 | Filler Supplemental Service Information | CWE | 0411 | 705 | O | 0..\* |  |

**1. Set ID - AIS**  
This field contains a number that uniquely identifies the information represented by this segment in this transaction for the purposes of addition, change or deletion.

**2. Segment Action Code**  
This field contains the action to be taken when updating or modifying information in this segment from previously sent interface transactions.

This field is conditionally required. It is required for all updating or modifying trigger events.

**3. Universal Service Identifier**  
This field contains an identifier code for a service to be scheduled.

**4. Start Date/Time**  
This field contains the date and time this service needs for the appointment.

**7. Duration**  
This field contains the duration for which the resource is requested/scheduled for this appointment, if different from the overall duration of the requested/scheduled appointment.

**8. Duration Units**  
This field contains a code describing the units of time used for expressing the duration. VGR recommends using ISO standard abbreviations.

**9. Allow Substitution Code**  
This field contains a code indicating whether the identified resource can be substituted with an equivalent resource by the filler application. Should be Yes.

**10. Filler Status Code**  
This field contains a code that describes the requested/scheduled status of the resource or activity, from the point of view of the filler application.

This is a conditionally required field. Because the information contained in this field is only appropriate in transactions originating from a filler application, it is required for those messages. This includes all unsolicited transactions originating from a filler application, as well as all response messages originating from a filler application. This field is optional for all transactions originating from placer, querying and auxiliary applications. It is recommended that this field be left unvalued in transactions originating from applications other than the filler application.

**11. Placer Supplemental Service Information**  
This field contains supplemental service and/or logistical information sent from the placer system to the filler system for the universal procedure code reported in field AIS-3.

**12. Filler Supplemental Service Information**  
This field contains supplemental service and/or logistical information sent from the filler system to the placer system for the procedure code reported in field AIS-3.

### AIG - Appointment Information - General Resource

The AIG segment contains information about various kinds of resources (other than those with specifically defined segments in this chapter) that can be scheduled.

Usage: Optional  
Cardinality: 0..\*

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Seq. | Name | Type | Table | Len. | Opt | Card | Contents |
| 1 | Set ID - AIG | SI |  | 4 | R | 1..1 | e.g. 001 |
| 2 | Segment Action Code | ID | 0206 | 3 | C | 0..1 | e.g. A |
| 3 | Resource ID | CWE |  | 250 | C | 0..1 |  |
| 4 | Resource Type | CWE |  | 250 | R | 1..1 |  |
| 5 | Resource Group | CWE |  | 250 | O | 0..\* |  |
| 6 | Resource Quantity | NM |  | 5 | O | 0..1 | e.g. 10 |
| 7 | Resource Quantity Units | CNE |  | 250 | O | 0..1 | e.g. ea |
| 8 | Start Date/Time | DTM |  | 24 | R | 1..1 | e.g. 201608230948 |
| 11 | Duration | NM |  | 20 | O | 0..1 | e.g. 1 |
| 12 | Duration Units | CNE |  | 250 | O | 0..1 | e.g. Hr |
| 13 | Allow Substitution Code | IS | 0279 | 10 | C | 0..1 |  |
| 14 | Filler Status Code | CWE | 0278 | 250 | C | 0..1 |  |

**1. Set ID - AIG**   
This field contains a number that uniquely identifies the information represented by this segment in this transaction for the purposes of addition, change or deletion.

**2. Segment Action Code**  
This field contains the action to be taken when updating or modifying information in this segment from previously sent interface transactions.

This field is conditionally required. It is required for all updating or modifying trigger events.

**3. Resource ID**  
This field contains the ID number and name of the resource being requested or scheduled for an appointment. This field is used to identify a specific resource being requested, or a specific resource that has been scheduled for an appointment. If the specific resource is not known but the type of resource is, AIG-4-resource type is used to identify the type of resource required or scheduled.

**4. Resource Type**   
This field identifies the role of the resource requested/scheduled for this appointment.

**5. Resource Group**   
This field identifies the requested resource as a member of the indicated group.

**6. Resource Quantity**   
This field contains the quantity of the specified resource or resource type identified in either or both of the preceding two fields. If it is not valued, this field defaults to a value of one (1).

**7. Resource Quantity Units**   
This field contains the units of the resource requested, whose quantity is given in the preceding field. VGR recommends using ISO standard abbreviations. If this field is not valued, the unit of each (code "ea") will be assumed.

**8. Start Date/Time**  
This field contains the date and time this service needs for the appointment.

**11. Duration**  
This field contains the duration for which the resource is requested/scheduled for this appointment, if different from the overall duration of the requested/scheduled appointment.

**12. Duration Units**  
This field contains a code describing the units of time used for expressing the duration. VGR recommends using ISO standard abbreviations.

**13. Allow Substitution Code**  
This field contains a code indicating whether the identified resource can be substituted with an equivalent resource by the filler application. Should be Yes.

**14. Filler Status Code**  
This field contains a code that describes the requested/scheduled status of the resource or activity, from the point of view of the filler application.

This is a conditionally required field. Because the information contained in this field is only appropriate in transactions originating from a filler application, it is required for those messages. This includes all unsolicited transactions originating from a filler application, as well as all response messages originating from a filler application.

This field is optional for all transactions originating from placer, querying and auxiliary applications. It is recommended that this field be left unvalued in transactions originating from applications other than the filler application.

### AIL - Appointment Information - Location Resource

The AIL segment contains information about location resources (meeting rooms, operating rooms, examination rooms, or other locations) that can be scheduled.

Usage: Optional  
Cardinality: 0..\*

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Seq. | Name | Type | Table | Len. | Opt | Card | Contents |
| 1 | Set ID – AIL | SI |  | 4 | R | 1..1 | e.g. 001 |
| 2 | Segment Action Code | ID | 0206 | 3 | C | 0..1 | e.g. A |
| 3 | Location Resource ID | PL |  | 80 | C | 0..\* |  |
| 4 | Location Type - AIL | CWE | 0305 | 250 | C | 1..1 |  |
| 5 | Location Group | CWE |  | 250 | O | 0..1 |  |
| 6 | Start Date/Time | DTM |  | 24 | R | 1..1 | e.g. 200511250945 |
| 9 | Duration | NM |  | 20 | O | 0..1 | e.g. 1 |
| 10 | Duration Units | CE |  | 250 | O | 0..1 | e.g. Hr |
| 11 | Allow Substitution Code | IS | 0279 | 10 | C | 0..1 |  |
| 12 | Filler Status Code | CE | 0278 | 250 | C | 0..1 |  |

**1. Set ID** **- AIL**  
This field contains a number that uniquely identifies the information represented by this segment in this transaction for the purposes of addition, change or deletion.

**2. Segment Action Code**  
This field contains the action to be taken when updating or modifying information in this segment from previously sent interface transactions.

This field is conditionally required. It is required for all updating or modifying trigger events.

**3. Location Resource ID**This field contains a coded identification of the location being requested or scheduled for an appointment. This field is used to identify a specific location being requested, or a specific location that has been scheduled for an appointment. If the specific location is not known but the type of location is, AIL-4-Location type-AIL is used to identify the type of location required or scheduled.

This field is conditionally required for this segment. In new schedule request messages, it is required if the request asks that a specific location be scheduled. For all other request messages, the specific location should be identified if the information is available (either because a specific location was initially requested, or because the filler application returned the coded identification of the specific location that has been scheduled).

This field is repeating in order to accommodate both local and enterprise-wide identifiers.

This field is required for all unsolicited transactions from the filler application. It is optional for all query transactions.

**4. Location Type - AIL**This field identifies the type of the location requested/scheduled for this appointment. For all messages, this field is conditionally required if a specific location is not identified in AIL-3-Location resource ID.

**5. Location Group**This field identifies the requested resource as a member of the indicated group.

**6. Start Date/Time**  
This field contains the date and time this service needs for the appointment.

**9. Duration**  
This field contains the duration for which the resource is requested/scheduled for this appointment, if different from the overall duration of the requested/scheduled appointment.

**10. Duration Units**  
This field contains a code describing the units of time used for expressing the duration. VGR recommends using ISO standard abbreviations.

**11. Allow Substitution Code**  
This field contains a code indicating whether the identified resource can be substituted with an equivalent resource by the filler application. Should be Yes.

**12. Filler Status Code**  
This field contains a code that describes the requested/scheduled status of the resource or activity, from the point of view of the filler application.

This is a conditionally required field. Because the information contained in this field is only appropriate in transactions originating from a filler application, it is required for those messages. This includes all unsolicited transactions originating from a filler application, as well as all response messages originating from a filler application. This field is optional for all transactions originating from placer, querying and auxiliary applications. It is recommended that this field be left unvalued in transactions originating from applications other than the filler application.

### AIP - Appointment Information - Personnel Resource

The AIP segment contains information about the personnel types that can be scheduled.

Usage: Optional  
Cardinality: 0..\*

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Seq. | Name | Type | Table | Len. | Opt | Card | Contents |
| 1 | Set ID – AIP | SI |  | 4 | R | 1..1 | e.g. 001 |
| 2 | Segment Action Code | ID | 0206 | 3 | C | 0..1 | e.g. A |
| 3 | Personnel Resource ID | XCN |  | 250 | C | 0..\* |  |
| 4 | Resource Type | CE | 0182 | 250 | C | 0..1 |  |
| 5 | Resource Group | CE |  | 250 | O | 0..1 |  |
| 6 | Start Date/Time | DTM |  | 24 | R | 1..1 | e.g. 200511250945 |
| 9 | Duration | NM |  | 20 | O | 0..1 | e.g. 1 |
| 10 | Duration Units | CE |  | 250 | O | 0..1 | e.g. Hr |
| 11 | Allow Substitution Code | IS | 0279 | 10 | C | 0..1 |  |
| 12 | Filler Status Code | CE | 0278 | 250 | C | 0..1 |  |

**1. Set ID - AIP**   
This field contains a number that uniquely identifies the information represented by this segment in this transaction for the purposes of addition, change or deletion.

**2. Segment Action Code**  
This field contains the action to be taken when updating or modifying information in this segment from previously sent interface transactions.

This field is conditionally required. It is required for all updating or modifying trigger events.

**3. Personnel Resource ID**This field contains the ID number and name of the person being requested or scheduled for an appointment. This field is used to identify a specific person being requested, or a specific person who has been scheduled as a resource for an appointment. If the specific person is not known, but the type of resource is, AIP-4-Resource type is used to identify the type of personnel resource required or scheduled.

**4. Resource Type**This field identifies the type of the personnel requested/scheduled for an appointment. For all messages, this field is conditionally required if a specific location is not identified in AIP-3-Personnel Resource ID.

**5. Resource Group**This field identifies the requested resource as a member of the indicated group.

**6. Start Date/Time**  
This field contains the date and time this service needs for the appointment.

**9. Duration**  
This field contains the duration for which the resource is requested/scheduled for this appointment, if different from the overall duration of the requested/scheduled appointment.

**10. Duration Units**  
This field contains a code describing the units of time used for expressing the duration. VGR recommends using ISO standard abbreviations.

**11. Allow Substitution Code**  
This field contains a code indicating whether the identified resource can be substituted with an equivalent resource by the filler application. Should be Yes.

**12. Filler Status Code**  
This field contains a code that describes the requested/scheduled status of the resource or activity, from the point of view of the filler application.

This is a conditionally required field. Because the information contained in this field is only appropriate in transactions originating from a filler application, it is required for those messages. This includes all unsolicited transactions originating from a filler application, as well as all response messages originating from a filler application. This field is optional for all transactions originating from placer, querying and auxiliary applications. It is recommended that this field be left unvalued in transactions originating from applications other than the filler application.