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## **Digital Imaging and Communications in Medicine (DICOM)**

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### *Supplement 108: Relevant Patient Info Query for Orders*

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## Open Issues

- 38 1. Should Attribute names reflect HL7 fields, or DICOM?  
2. What additional query keys are desirable, if any? (E.g., time scope)  
40 3. Is it worth defining classes of orders to be used as query keys to restrict the scope of the responses?

## Foreword

42 There is a use case for users at modalities to see what other orders are current for a patient before  
44 performing a procedure. This may be used to identify possible conflicts between protocols on the modality,  
and other tests that are pending for the patient.

This Supplement defines a template and SOP Class to be used in the Relevant Patient Info Query service  
46 to retrieve the list of active orders for a patient.

The SOP Class does not define the scope of “active” orders (e.g., time range of scheduling or  
48 performance, departments included/excluded, order status pending/completed, etc.).

This Supplement introduces changes to the following Parts of the DICOM Standard:

- 50 PS 3.4: Service Class Specifications  
PS 3.6: Data Dictionary  
52 PS 3.16: Content Mapping Resource

## Part 4 Addendum

56 **Modify PS3.4 Annex Q**

### 58 Q.4.3.3 SOP Classes

60 The Relevant Patient Information Model SOP Classes in the Relevant Patient Information Query Service  
62 Class identify the Relevant Patient Information Model, and the DIMSE-C operation supported. In some  
instances a Root template is specified. The **following** Standard SOP Classes are identified **in Table Q.4-  
2.**

**Table Q.4-2 Relevant Patient Information Query SOP Classes**

SOP Class Name	SOP Class UID	Root Template
General Relevant Patient Information Query	1.2.840.10008.5.1.4.37.1	TID 9007 General Relevant Patient Information, or from the list in PS 3.16
Breast Imaging Relevant Patient Information Query	1.2.840.10008.5.1.4.37.2	TID 9000 Relevant Patient Information for Breast Imaging
Cardiac Relevant Patient Information Query	1.2.840.10008.5.1.4.37.3	TID 3802 Cardiovascular Patient History
<b><u>Patient Orders Query</u></b>	<b><u>1.2.840.10008.5.1.4.37.x</u></b>	<b><u>TID 900x Patient Orders</u></b>

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### Part 6 Addendum

66 ***Add the following to Part 6 Annex A Registry of DICOM UIDs:***

<b><u>1.2.840.10008.5.1.4.37.x</u></b>	<b><u>Patient Orders Query</u></b>	<b><u>SOP Class</u></b>	<b><u>PS 3.4</u></b>
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**Part 16 Addendum**

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**Modify PS3.16 Annex A**

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**TID 900x Patient Orders**

74 This template conveys a list of orders for a patient. This template is consistent with orders for simple one-time procedures; orders involving complex timing patterns may have their timing/quantity specified in  
76 application-specific extensions to this template.

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**TID 900x  
PATIENT ORDERS**

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**Type: Extensible**

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (x00, DCM, "List of Patient Orders")	1	M		
2	>	HAS CONCEPT MOD	INCLUDE	DTID (1204) Language of Content Item and Descendants	1	M		
3	>	CONTAINS	CONTAINER	EV (x01, DCM, "Order")	1-n	U		
4	>>	CONTAINS	TEXT	EV (x02, DCM, "Placer Order Number")	1	M		
5	>>	CONTAINS	TEXT	EV (x03, DCM, "Filler Order Number")	1	M		
6	>>	CONTAINS	CODE	EV (x04, DCM, "Universal Service Identifier")	1	M		
7	>>	CONTAINS	CODE	EV (x05, DCM, "Scheduling Priority")	1	U		
8	>>	CONTAINS	DATETIME	EV (x06, DCM, "Requested Date/Time")	1	U		
9	>>	CONTAINS	DATETIME	EV (x07, DCM, "Scheduled Date/Time")	1	U		
10	>>	CONTAINS	CODE	EV (R-205E4, SRT, "Procedure Status")	1	U		
11	>>	CONTAINS	TEXT	EV (121106, DCM, "Comment")	1	U		
12	>>	CONTAINS	COMPOSITE	EV (x09, DCM, "Referenced Order")	1	U		

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**Modify PS3.16 Annex D**

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86 **DICOM Code Definitions (Coding Scheme Designator “DCM” Coding Scheme Version “01”)**

<b>Code Value</b>	<b>Code Meaning</b>	<b>Definition</b>	<b>Notes</b>
x00	List of Patient Orders	List of Patient Orders	
x01	Order	A request for a service from one application to a second application.	
x02	Placer Order Number	The order number assigned by the placer (ordering) application. (cf. HL7 v2 ORC-2 and OBR-2)	
x03	Filler Order Number	The order number assigned by the filler application. (cf. HL7 v2 ORC-3 and OBR-3)	
x04	Universal Service Identifier	Identifier code for an ordered service (observation/test/battery) (cf. HL7 v2 OBR-4)	
x05	Scheduling Priority	Priority of an order (cf. HL7 v2 OBR-5 and OBR-27)	
x06	Requested Date/Time	Placer requested date and time for an ordered service (cf. HL7 v2 OBR-6 and OBR-27)	
x07	Scheduled Date/Time	Filler scheduled date and time for an ordered service (cf. HL7 v2 OBR-36)	