****

|  |  |  |  |
| --- | --- | --- | --- |
| **Document filename: Document1** | | | |
| **Directorate / Programme** | NHS111 | **Project** | NHS111 |
| **Document Reference** |  |  |  |
| **Project Manager** | Tony Yates | **Status** | Final |
| **Owner** | Tony Yates | **Version** | 1.0 |
| **Author** | David Barnet | **Version issue date** | 04/10/2013 |

Guidance for Creation of an NHS 111 Repeat Caller Query

**Document Management**

**Revision History**

|  |  |  |
| --- | --- | --- |
| **Version** | **Date** | **Summary of Changes** |
| 0.1 | 05/01/2012 | First Version for comment |
| 1.0 | 04/10/2013 | Rebranded HSCIC & made Final |
|  |  |  |

**Reviewers**

This document must be reviewed by the following people: author to indicate reviewers

|  |  |  |  |
| --- | --- | --- | --- |
| **Reviewer name** | **Title / Responsibility** | **Date** | **Version** |
| Kevin Sprague | Interoperability Team Lead | 11/08/2011 | 0.1 |
| Kevin Sprague | Interoperability Team Lead | 04/10/2013 | 1.0 |

**Approved by**

This document must be approved by the following people: author to indicate approvers

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Signature** | **Title** | **Date** | **Version** |
| Richard Kavanagh |  | Interoperability Development Manager | 11/08/2011 | 0.1 |
|  |  |  |  |  |

**Glossary of Terms**

|  |  |
| --- | --- |
| **Term / Abbreviation** | **What it stands for** |
| CDA | Clinical Document Architecture (a HL7 standard for Clinical Documents) |
| Participation | The involvement of a role in an act |
| Role | A responsibility or part played by an entity |
| DCE UUID | Distributed Computing Environment Universally Unique Identifier - is an identifier standard used in software construction |
| XML | Extensible Markup Language - is a general-purpose specification for creating custom markup languages |
| DMS | Domain Message Specification (sometimes called a pack) is the message specification(s) offered by Connecting for Health for a domain (such as NHS 111) |
| PDS | Patient Demographic Service – the NHS patient database |

**Document Control:**

The controlled copy of this document is maintained in the HSCIC corporate network. Any copies of this document held outside of that area, in whatever format (e.g. paper, email attachment), are considered to have passed out of control and should be checked for currency and validity.

**Contents**

1. [Introduction 5](#_bookmark0)
   1. [Purpose of Document 5](#_bookmark1)
2. [Guidance for creating an NHS 111 Repeat Caller Query 5](#_bookmark2)
   1. [HL7 V3 Reminder 5](#_bookmark3)
   2. [Populating the Repeat Caller Query Message 5](#_bookmark4)

# Introduction

## Purpose of Document

This document provides guidance for creating an NHS 111 Repeat Caller Query message. The document includes the information that an NHS 111 system needs to supply to create the query.

# Guidance for creating an NHS 111 Repeat Caller Query

## HL7 V3 Reminder

A note to remind developers that the NHS 111 Repeat Caller Query is NOT a CDA document. Therefore, there is no concept of “on-the-wire” and “conformance” schemas. The schema provided for the NHS 111 Repeat Caller Query is BOTH the conformance and on- the-wire schema.

## Populating the Repeat Caller Query Message

This section documents the various NHS111 Repeat Caller Query classes and concepts, and what data is required to populate the message. For the optionality of each data item, consult the NHS 111 Repeat Caller Query model. Further guidance on data values is given on the associated model tabular view.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Class: RepeatCallerQuery** | | **Acts as a header for the Repeat Caller Query** | | |  | |
| **Data Item** | **Business relevance** | | **Value Guidance** | **Xpath** | | **Example** |
| classCode | None, a fixed value | | Always **FIXED** to “CACT” | /RepeatCallerQuery/@classCode | | < RepeatCallerQuery classCode="CACT " moodCode="EVN"> |
| moodCode | None, a fixed value | | Always **FIXED** to “EVN” | /RepeatCallerQuery/@moodCode | | < RepeatCallerQuery classCode="PCPR " moodCode="RQO"> |
| id/@root | A unique identifier for the query. Must be a DCE UUID | | A generated DCE UUID | /RepeatCallerQuery /id/@root | | <id root="B709A442-3CF4-476E-8377- 376500E829C9"/> |
| code/@code code/@codeSystem | None, a fixed value | | Always **FIXED**  Code “01”  CodeSystem “2.16.840.1.113883.2.1.3.2.4.17.420” | /RepeatCallerQuery /code/@code  /RepeatCallerQuery /code/@codeSystem | | <code code="01" codeSystem="2.16.840.1.113883.2.1.3.2.4.17.420"/> |
| effectiveTime/@value | The date and time the query was produced | | The system date/time when the query was made. This can be to any precision, but to the second is recommended | /RepeatCallerQuery /effectiveTime/@value | | <effectiveTime value="201105192000"/> |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Concept: author** | | **Contains the document author details. NOTE it is expected that author details will conform to the AuthorPersonUniversal conformance profile only.** | | | **Includes classes**  **Author; assignedAuthor; representedOrganization; assignedperson** | |
| **Data Item** | **Business relevanc e** | | **Value Guidance** | **Xpath** | | **Example** |
| author/typeCode | None – a fixed code | | Always FIXED to “AUT” | /RepeatCallerQuery/author/@typeCode | | <author typeCode="AUT" contextControlCode="OP"> |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  |  |  |  |
| author/contextControlCode | None – a fixed code | Always FIXED to “OP” | /RepeatCallerQuery/author/@contextControlCode | <author typeCode="AUT" contextControlCode="OP"> |
| author/contentId/@root author/contentId/@extension | Varies according to the type of author.  Assuming person Universal author only | Assuming Author Person Universal template only  Always FIXED Root  “2.16.840.1.113883.2.1.3.2.  4.18.16"  Extension "COCD\_TP145200GB01#A  ssignedAuthor” | /RepeatCallerQuery/author/npfitlc:contentId/@root  /RepeatCallerQuery/author/npfitlc:contentId/@extension | <npfitlc:contentId root="2.16.840.1.113883.2.1.3.2.4. 18.16"  extension="COCD\_TP145200GB01  #AssignedAuthor"/> |
| COCD\_TP145200GB01.AssignedAut hor/classCode | None – a fixed value | Always FIXED to ASSIGNED | /RepeatCallerQuery/author/COCD\_TP145200GB01.AssignedAuthor/  @classCode | <COCD\_TP145200GB01.Assigned  Author classCode="ASSIGNED"> |
| COCD\_TP145200GB01.AssignedAut hor/id/@root  COCD\_TP145200GB01.AssignedAut hor/id/@extension | Identifiers to indicate the author  – this might be an SDS identifier (by preferenc e), or a local one (or both) | A code system identifier such as “1.2.826.0.1285.0.2.0.65”  for an SDS identifier, or “2.16.840.1.113883.2.1.3.2.  4.18.24” for a local identifier, and the identifying code | /RepeatCallerQuery/author/COCD\_TP145200GB01.AssignedAuthor/i d/@root  /RepeatCallerQuery/author/COCD\_TP145200GB01.AssignedAuthor/i d/@extension | <id root="2.16.840.1.113883.2.1.3.2.4. 18.24"  extension="100"/> |
| COCD\_TP145200GB01.AssignedAut hor/code/@code  COCD\_TP145200GB01.AssignedAut hor/code/@codeSystem  COCD\_TP145200GB01.AssignedAut hor/code/@displayName | A code that describes the author’s job role – this might be from | A code system identifier such as “2.16.840.1.113883.2.1.3.2.  4.17.196” for an SDS Job Role code, or a local code system and a code from that code system | /RepeatCallerQuery/author/COCD\_TP145200GB01.AssignedAuthor/ code/@code  /RepeatCallerQuery/author/COCD\_TP145200GB01.AssignedAuthor/ code/@codeSystem  /RepeatCallerQuery/author/COCD\_TP145200GB01.AssignedAuthor/ code/@displayName | <code code="OOH02" codeSystem="2.16.840.1.113883.2  .1.3.2.4.17.196"  displayName="Nurse Practitioner"/> |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  |  |  |  |
|  | SDS (by preferenc e), or a local code |  |  |  |
| COCD\_TP145200GB01.AssignedAut hor/addr/@use  COCD\_TP145200GB01.AssignedAut hor/addr/streetAddressLine[1.. 5]  COCD\_TP145200GB01.AssignedAut hor/addr/postalCode | The address of the author | An address for the author – maybe from SDS. Use attribute will be fixed to “WP” (work place). For consistency, only have street addressline and postcode as well as the fixed use attribute | /RepeatCallerQuery/author/COCD\_TP145200GB01.AssignedAuthor/ addr/@use  /RepeatCallerQuery/author/COCD\_TP145200GB01.AssignedAuthor/ addr/streetAddressLine  /RepeatCallerQuery/author/COCD\_TP145200GB01.AssignedAuthor/ addr/postalCode | <addr use=" WP">  <streetAddressLine>The Hospital</streetAddressLine>  <streetAddressLine>Hospital Road</streetAddressLine>  <postalCode>CB1 1AA</postalCode>  </addr> |
| COCD\_TP145200GB01.AssignedAut hor/telecom/@value | Phone or email details of the author  – maybe from SDS | Author’s telecom details. Can be a telephone number, email address etc. Fix the “use” attribute to “EC” (emergency contact) | /RepeatCallerQuery/author/COCD\_TP145200GB01.AssignedAuthor/t elecom/@value | <telecom value=tel:01234567890 use=”EC”/> |
| COCD\_TP145200GB01.AssignedAut hor/templateId/@root  COCD\_TP145200GB01.AssignedAut hor/templateId/@extension | None – a fixed value | Always FIXED to  Root "2.16.840.1.113883.2.1.3.2  .4.18.2"  Extension "COCD\_TP145200GB01#A  ssignedAuthor" | /RepeatCallerQuery/author/COCD\_TP145200GB01.AssignedAuthor/t emplateId/@root  /RepeatCallerQuery/author/COCD\_TP145200GB01.AssignedAuthor/t emplateId/@extension | <templateId root="2.16.840.1.113883.2.1.3.2.4. 18.2"  extension="COCD\_TP145200GB01  #AssignedAuthor"/> |
| assignedPerson/@classCode | None – a fixed code | Always FIXED to “PSN” | /RepeatCallerQuery/author/COCD\_TP145200GB01.AssignedAuthor/ assignedPerson/@classCode | <assignedPerson classCode="PSN" determinerCode="INSTANCE"> |
| assignedPerson/determinerCo de | None – a fixed code | Always FIXED to “INSTANCE” | /RepeatCallerQuery/author/COCD\_TP145200GB01.AssignedAuthor/ assignedPerson/@determinerCode | <assignedPerson classCode="PSN" determinerCode="INSTANCE"> |
| assignedPerson/name/prefix | The name of the | The name of the author – maybe from SDS. In structured format of prefix, | /RepeatCallerQuery/author/COCD\_TP145200GB01.AssignedAuthor/ assignedPerson/name/prefix | <name> |
|  |  |  |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  |  |  |  |
| assignedPerson/name/given  assignedPerson/name/surnam e | author | given name and family name | /RepeatCallerQuery/author/COCD\_TP145200GB01.AssignedAuthor/ assignedPerson/name/given  /RepeatCallerQuery/author/COCD\_TP145200GB01.AssignedAuthor/ assignedPerson/name/family | <prefix>Ms</prefix>  <given>Mary</given>  <family>Jones</family>  </name> |
| assignedPerson/templateId/@ root  assignedPerson/templateId/@ extension | None – a fixed code | Always FIXED to  Root "2.16.840.1.113883.2.1.3.2  .4.18.2"  Extension "COCD\_TP145200GB01#a  ssignedPerson" | /RepeatCallerQuery/author/COCD\_TP145200GB01.AssignedAuthor/ assignedPerson/templateId/@root  /RepeatCallerQuery/author/COCD\_TP145200GB01.AssignedAuthor/ assignedPerson/templateId/@extension | <templateId root="2.16.840.1.113883.2.1.3.2.4. 18.2"  extension="COCD\_TP145200GB01  #assignedPerson"/> |
| representedOrganization/class Code | None – a fixed code | Always FIXED to “ORG” | /RepeatCallerQuery/author/COCD\_TP145200GB01.AssignedAuthor/r epresentedOrganization/@classCode | <representedOrganization classCode="ORG" determinerCode="INSTANCE"> |
| representedOrganization/deter minerCode | None – a fixed code | Always FIXED to “INSTANCE” | /RepeatCallerQuery/author/COCD\_TP145200GB01.AssignedAuthor/r epresentedOrganization/@determinerCode | <representedOrganization classCode="ORG" determinerCode="INSTANCE"> |
| representedOrganization/id/@ root  representedOrganization/id/@ extension | Either the organisati on site code (preferred  ), or the organisati on code of the author | If a site code, root FIXED to “2.16.840.1.113883.2.1.3.2.  4.19.2”  If an org code, root FIXED to “2.16.840.1.113883.2.1.3.2.  4.19.1”  Plus the actual code | /RepeatCallerQuery/author/COCD\_TP145200GB01.AssignedAuthor/r epresentedOrganization/id/@root  /RepeatCallerQuery/author/COCD\_TP145200GB01.AssignedAuthor/r epresentedOrganization/id/@extension | <id root="2.16.840.1.113883.2.1.3.2.4.  19.2" extension="5L399"/> |
| representedOrganization/nam e | The organisati on name associate d with the code | Name associated with the code in the “id” attribute | /RepeatCallerQuery/author/COCD\_TP145200GB01.AssignedAuthor/r epresentedOrganization/name | <name>Chelmsford Trust NHS 111 site</name> |
| representedOrganization/temp | None – a | Always FIXED to | /RepeatCallerQuery/author/COCD\_TP145200GB01.AssignedAuthor/r | <templateId |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| lateId | fixed code | Root "2.16.840.1.113883.2.1.3.2  .4.18.2"  Extension "COCD\_TP145200GB01#r  epresentedOrganization" | epresentedOrganization/templateId/@root  /RepeatCallerQuery/author/COCD\_TP145200GB01.AssignedAuthor/r epresentedOrganization/templateId/@extension | root="2.16.840.1.113883.2.1.3.2.4. 18.2"  extension="COCD\_TP145200GB01  #representedOrganization"/> |
|  |  |  |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Concept: Query and query parameters** | | **Details of the query parameters** | | |  | |
| **Data Item** | **Business relevanc e** | | **Value Guidance** | **Xpath** | | **Example** |
| person.birthTime/semanticsTe xt | None – a fixed value | | Always fixed to “Person.birthTime” | /RepeatCallerQuery/query/person.birthTime/semanticsText | | <semanticsText>Person.birthTime<  /semanticsText> |
| person.birthTime/value/@valu e | The patient’s date of birth | | The patient’s date of birth | /RepeatCallerQuery/query/person.birthTime/value/@value | | <value value="19760330"/> |
| person.familyName/semantics Text | None – a fixed value | | Always fixed to “Person.familyName” | /RepeatCallerQuery/query/person.familyName/semanticsText | | <semanticsText>Person.familyNam e</semanticsText> |
| person.familyName/value | The patient’s family name | | The patient’s family name | /RepeatCallerQuery/query/person.familyName/value | | <value>Johnson</value> |
| person.givenName/semantics Text | None – a fixed value | | Always fixed to “Person.givenName” | /RepeatCallerQuery/query/person.givenName/semanticsText | | <semanticsText>Person.givenNam e</semanticsText> |
| person.givenName/value | The patient’s given | | The patient’s given name | /RepeatCallerQuery/query/person.givenName/value | | <value>Jason</value> |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  |  |  |  |
|  | name |  |  |  |
| person.id/semanticsText | None – a fixed value | Always fixed to “Person.id” | /RepeatCallerQuery/query/person.id/semanticsText | <semanticsText>Person.id</seman ticsText> |
| person.id/value/@root person.id/value/@extension | The patient’s NHS  Number | Root is always fixed to “2.16.840.1.113883.2.1.4.1 ”  Extension is the NHS Number | /RepeatCallerQuery/query/person.id/value/@root  /RepeatCallerQuery/query/person.id/value/@extension | <value root="2.16.840.1.113883.2.1.4.1"  extension="8976781256"/> |
| person.postalCode/semantics Text | None – a fixed value | Always fixed to “Person.postalCode” | /RepeatCallerQuery/query/person.postalCode/semanticsText | <semanticsText>Person.postalCod e</semanticsText> |
| person.postalCode/value | The patient’s post code | The patient’s post code | /RepeatCallerQuery/query/person.postalCode/value | <value>B8 7GF</value> |
| person.streetAddressLine1/ semanticsText | None – a fixed value | Always fixed to “Person.streetAddressLine 1” | /RepeatCallerQuery/query/person.streetAddressLine1/semanticsText | <semanticsText>Person.streetAddr essLine1</semanticsText> |
| person.streetAddressLine1/val ue | The patient’s street address line 1 | The patient’s street address line 1 | /RepeatCallerQuery/query/person.streetAddressLine1/value | <value>65 Fir Tree Avenue</value> |