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	Sub-Prog / Project	<i>Data Standards & Products</i>		
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	Author	Dave Barnet		
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Guidance for Creation of an NHS 111 Repeat Caller Query

Version: 0.1

Status: Draft

Author: Dave Barnet

Intended audience:

NHS 111 system developers

Amendment History:

Version	Date	Amendment History
0.1	05/01/2012	First Version for comment

Anticipated Changes

Version	Date	Nature of Change
TBA	TBA	This document may change as a result of feedback from interested parties.

Reviewers:

This document must be reviewed by the following. Indicate any delegation for sign off.

Name	Signature	Title / Responsibility	Date	Version
Kevin Sprague		Interoperability Team Lead	11/08/2011	0.1

Approvals:

This document requires the following approvals:

Name	Signature	Title / Responsibility	Date	Version
Richard Kavanagh		Interoperability Development Manager	11/08/2011	0.1

Document Status:

This is a controlled document.

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Related Documents:

These documents have been referenced in this document and will provide additional information.

None

Glossary of Terms used in this Document:

Term	Acronym	Definition
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

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1 Introduction

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.


2 Guidance for creating an NHS 111 Repeat Caller Query

2.1 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.

2.2 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.

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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 relevance	Value Guidance	Xpath	Example	
author/typeCode	None – a	Always FIXED to "AUT"	/RepeatCallerQuery/author/@typeCode	<author typeCode="AUT"	

	fixed code			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#AssignedAuthor"	/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.AssignedAuthor/classCode	None – a fixed value	Always FIXED to ASSIGNED	/RepeatCallerQuery/author/COCD_TP145200GB01.AssignedAuthor/@classCode	<COCD_TP145200GB01.AssignedAuthor classCode="ASSIGNED">
COCD_TP145200GB01.AssignedAuthor/id/@root COCD_TP145200GB01.AssignedAuthor/id/@extension	Identifiers to indicate the author – this might be an SDS identifier (by preference), 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/id/@root /RepeatCallerQuery/author/COCD_TP145200GB01.AssignedAuthor/id/@extension	<id root="2.16.840.1.113883.2.1.3.2.4.18.24" extension="100"/>
COCD_TP145200GB01.AssignedAuthor/code/@code COCD_TP145200GB01.AssignedAuthor/code/@codeSystem COCD_TP145200GB01.AssignedAuthor/code/@displayName	A code that describes the author’s job role – this might	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"/>

	be from SDS (by preference), or a local code			
COCD_TP145200GB01.AssignedAuthor/addr/@use COCD_TP145200GB01.AssignedAuthor/addr/streetAddressLine[1..5] COCD_TP145200GB01.AssignedAuthor/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.AssignedAuthor/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/telecom/@value	<telecom value= tel:01234567890 use="EC"/>
COCD_TP145200GB01.AssignedAuthor/templateId/@root COCD_TP145200GB01.AssignedAuthor/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#AssignedAuthor"	/RepeatCallerQuery/author/COCD_TP145200GB01.AssignedAuthor/templateId/@root /RepeatCallerQuery/author/COCD_TP145200GB01.AssignedAuthor/templateId/@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/determinerCode	None – a fixed code	Always FIXED to “INSTANCE”	/RepeatCallerQuery/author/COCD_TP145200GB01.AssignedAuthor/assignedPerson/@determinerCode	<assignedPerson classCode="PSN" determinerCode="INSTANCE">
assignedPerson/name/prefix assignedPerson/name/given assignedPerson/name/surname	The name of the author	The name of the author – maybe from SDS. In structured format of prefix, given name and family name	/RepeatCallerQuery/author/COCD_TP145200GB01.AssignedAuthor/assignedPerson/name/prefix /RepeatCallerQuery/author/COCD_TP145200GB01.AssignedAuthor/assignedPerson/name/given /RepeatCallerQuery/author/COCD_TP145200GB01.AssignedAuthor/assignedPerson/name/family	<name> <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#assignedPerson"	/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/classCode	None – a fixed code	Always FIXED to "ORG"	/RepeatCallerQuery/author/COCD_TP145200GB01.AssignedAuthor/representedOrganization/@classCode	<representedOrganization classCode="ORG" determinerCode="INSTANCE">
representedOrganization/determinerCode	None – a fixed code	Always FIXED to "INSTANCE"	/RepeatCallerQuery/author/COCD_TP145200GB01.AssignedAuthor/representedOrganization/@determinerCode	<representedOrganization classCode="ORG" determinerCode="INSTANCE">
representedOrganization/id/@root representedOrganization/id/@extension	Either the organisation site code (preferred), or the organisation 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/representedOrganization/id/@root /RepeatCallerQuery/author/COCD_TP145200GB01.AssignedAuthor/representedOrganization/id/@extension	<id root="2.16.840.1.113883.2.1.3.2.4.19.2" extension="5L399"/>
representedOrganization/name	The organisation name associated with the code	Name associated with the code in the "id" attribute	/RepeatCallerQuery/author/COCD_TP145200GB01.AssignedAuthor/representedOrganization/name	<name>Chelmsford Trust NHS 111 site</name>
representedOrganization/templateId	None – a fixed code	Always FIXED to Root "2.16.840.1.113883.2.1.3.2.4.18.2" Extension "COCD_TP145200GB01#representedOrganization"	/RepeatCallerQuery/author/COCD_TP145200GB01.AssignedAuthor/representedOrganization/templateId/@root /RepeatCallerQuery/author/COCD_TP145200GB01.AssignedAuthor/representedOrganization/templateId/@extension	<templateId 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 relevance	Value Guidance	Xpath	Example
person.birthTime/semanticsText	None – a fixed value	Always fixed to "Person.birthTime"	/RepeatCallerQuery/query/person.birthTime/semanticsText	<semanticsText>Person.birthTime</semanticsText>
person.birthTime/value/@value	The patient's date of birth	The patient's date of birth	/RepeatCallerQuery/query/person.birthTime/value/@value	<value value="19760330"/>
person.familyName/semanticsText	None – a fixed value	Always fixed to "Person.familyName"	/RepeatCallerQuery/query/person.familyName/semanticsText	<semanticsText>Person.familyName</semanticsText>
person.familyName/value	The patient's family name	The patient's family name	/RepeatCallerQuery/query/person.familyName/value	<value>Johnson</value>
person.givenName/semanticsText	None – a fixed value	Always fixed to "Person.givenName"	/RepeatCallerQuery/query/person.givenName/semanticsText	<semanticsText>Person.givenName</semanticsText>
person.givenName/value	The patient's given name	The patient's given name	/RepeatCallerQuery/query/person.givenName/value	<value>Jason</value>
person.id/semanticsText	None – a fixed value	Always fixed to "Person.id"	/RepeatCallerQuery/query/person.id/semanticsText	<semanticsText>Person.id</semanticsText>
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/semanticsText	None – a fixed value	Always fixed to "Person.postalCode"	/RepeatCallerQuery/query/person.postalCode/semanticsText	<semanticsText>Person.postalCode</semanticsText>
person.postalCode/value	The patient's	The patient's post code	/RepeatCallerQuery/query/person.postalCode/value	<value>B8 7GF</value>

	post code			
person.streetAddressLine1/ semanticsText	None – a fixed value	Always fixed to "Person.streetAddressLine1"	/RepeatCallerQuery/query/person.streetAddressLine1/semanticsText	<semanticsText>Person.streetAddress Line1</semanticsText>
person.streetAddressLine1/value	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>