Limiting PCEHR document list to relevant items

RELEASE DATE	10 October 2012	ID		CONTACT	Christian Holmes
CATEGORY	NEHTA Products				
AFFECTS	All Sites				
TOPIC	**Limiting PCEHR document list to relevant items**				

DETAIL	*Question:*
	When we call the PCEHR getDocumentList() web service with no parameters, it returns all the documents in the patient's PCEHR record. In some cases this includes hundreds of MBS, PBS and other Medicare documents.
	
	How do we limit the document list to include only the types of documents that our users are interested in, such as health summaries, event summaries and discharge summaries?
	
	Answer:
	When invoking the getDocumentList() web service what is actually being performed is an XDS.b Registry Stored Query findDocument query. This query supports searching by any of the parameters supported by that Registry Stored Query.
	
	The supported parameters can be found in Section 3.18.4.1.2.3.7.1 of *IHE IT Infrastructure Technical Framework Volume 2a (ITI TF-2a)*
	http://www.ihe.net/Technical_Framework/upload/IHE_ITI_TF_Rev8-0_Vol2a_FT_2011-08-19.pdf
	
	Table 3 in the PCEHR Document Exchange Service Technical Service Specification v1_2 provides the list of TypeCodes and ClassCodes required to be used for PCEHR documents when registered. These codes can be used in the query for the $XDSDocumentEntryClassCode (coded according to the definition in Section 3.18.4.1.2.3.4 of the IHE Volume 2a document referenced above.
	
	Multiple identifiers for different document types may be specified, and the query will return documents which match any of the supplied values (OR logic).
	
	Selecting the appropriate ClassCodes will result in only documents of those types being returned.
	
	Ignoring the rest of the query (the "default" empty structure), the values required to return only Shared Health Summaries, Event Summaries, Discharge Summaries and Specialist Letters would look something like the following:
	
	`<Slot name="$XDSDocumentEntryClassCode ">`
	`<ValueList>`
	`<Value>('60591-5^^LOINC')</Value>`
	`<Value>('34133-9^^LOINC')</Value>`
	`<Value>('18842-5^^LOINC')</Value>`
	`<Value>('51852-2^^LOINC')</Value>`
	`</ValueList>`
	`</Slot>`				

It is suggested that you give the user the option to filter by document type, and potentially date range to narrow searching capability if required.

Within the PCEHR Client sample code provided on the http://www.nehta.gov.au/vendors web site, the solution described above is supported. To do this, you would populate the AdhocQueryBuilder object doing something like this:

```
// Create a query
AdhocQueryBuilder adhocQueryBuilder = new
                            AdhocQueryBuilder("800360xxxxxxxxxx",
                            new[] { DocumentStatus.Approved });

if (!chkShowallDocs.Checked)
                    adhocQueryBuilder.ClassCode = new[] {
                    ClassCodes.DischargeSummary,
ClassCodes.EventSummary,
                    ClassCodes.SpecialistLetter,
                    ClassCodes.SharedHealthSummary };

// Combo box allows user to define date period in months -
default is 12 months
DateTime startDate =
DateTime.Now.AddMonths(cboMonthRange.SelectedText);
DateTime endDate = DateTime.Now;

adhocQueryBuilder.CreationTimeFrom = new
ISO8601DateTime(startDate);
adhocQueryBuilder.CreationTimeTo = new ISO8601DateTime(endDate);

// Create the request using the query
AdhocQueryRequest queryRequest =
adhocQueryBuilder.BuildRequest();
```

[NB this is just an example of how to implement certain parameters]

Other filtering options supported including author, organisation, health facility, practice setting and format code.