



Australian Government

Department of Human Services

Healthcare Identifiers (HI) Service

***System Interface Specification (SIS)
Search for Provider Individual Details
TECH.SIS.HI.31***

Healthcare Identifiers Service	
Document Author	Healthcare Identifiers Branch, Department of Human Services
Document Date	May 2013
Document Version	Final v1.1
Release	May 2013 Release
Web Service and Version	HI_ProviderSearchForProviderIndividual-5.0.0.wsdl

Notice

© Commonwealth of Australia.

This work is copyright protected. Requests and enquiries concerning reproduction and rights should be addressed to:

Manager,
Healthcare Identifiers Branch,
Health eBusiness Division,
Department of Human Services
PO Box 1001 Tuggeranong DC ACT 2901
Australia

Note this document is Healthcare Identifiers Licensed Material.

Use of the Healthcare Identifiers Licensed Material is subject to the latest accepted terms and conditions of:

- Licence Agreement – Use of the Healthcare Identifiers Licensed Material for Notice of Connection version 3.0,
- Licence Agreement for Healthcare Identifiers Licensed Materials v2.0, or
- Licence Agreement for Healthcare Identifiers Licensed Materials v1.0.

Table of Contents

1	PRECONDITIONS.....	6
2	SERVICE SUMMARY.....	6
3	SERVICE RULES.....	8
4	INCLUDED SCHEMAS	8
5	REQUEST – SEARCHFORPROVIDERINDIVIDUAL.....	9
5.1	REQUEST ELEMENT DEFINITIONS.....	9
5.2	EXAMPLE REQUEST – SEARCH FOR A PROVIDER INDIVIDUAL BY ID NUMBER.....	13
5.3	EXAMPLE REQUEST – SEARCH FOR A PROVIDER INDIVIDUAL BY DEMOGRAPHICS.....	13
6	RESPONSE - SEARCHFORPROVIDERINDIVIDUALRESULT	14
6.1	RESPONSE ELEMENT DEFINITIONS	14
6.2	EXAMPLE RESPONSE – SEARCH FOR A PROVIDER INDIVIDUAL ENTRY BY ID NUMBER.....	16
6.3	EXAMPLE RESPONSE – SEARCH FOR A PROVIDER INDIVIDUAL ENTRY BY DEMOGRAPHICS	17
7	FUNCTIONAL VALIDATIONS	17
8	CROSS-ELEMENT VALIDATIONS.....	19
9	INFORMATION, WARNING AND ERROR MESSAGES.....	20
10	DEFINITIONS, ACRONYMS AND ABBREVIATIONS.....	22

Document Change Control

Date of Issue	Brief Description of Change
May 2013	Final v1.1 Section 5.1 – Update to onlyNameIndicator and givenName Cardinality Section 6.1 – Addition of the onlyNameIndicator element

Associated Documents

The following table lists all documents that are relevant to this document:

Document Name
Common Document for SIS (SIS #1)
Common Field Processing Reference Document (SIS #2)
Service Component Definitions (SIS #23)
HI Service - Services Catalogue ¹
HI Service – Change Guide

Associated Web Service

Web Service	WSDL Version
HI_ProviderSearchForProviderIndividual-5.0.0.wsdl	5.0.0

¹ Note the HI Service – Services Catalogue has replaced the previously issued Technical Services Catalogue

Introduction

The SearchForProviderIndividual web service allows a trusted party to single search for the details of an individual record within the HI Service. This individual may be acting in one or more of the following roles:

- ☐ an Healthcare Provider Identifier- Individual (HPI-I)
- ☐ an Organisation Maintenance Officer (OMO)
- ☐ a Authorised Employee

This request may be made by the following trusted parties:

- ☐ an individual that is authorised to access the HI Service.

The general uses of this web service include (but are not limited to):

- ☐ determining the current state of an individual healthcare provider record

1 Preconditions

None.

2 Service Summary

This web service offers a common interface for requesting both identifier and demographic searches of individual provider records within the HI Service. Search criteria will include identifier search details or demographic search details.

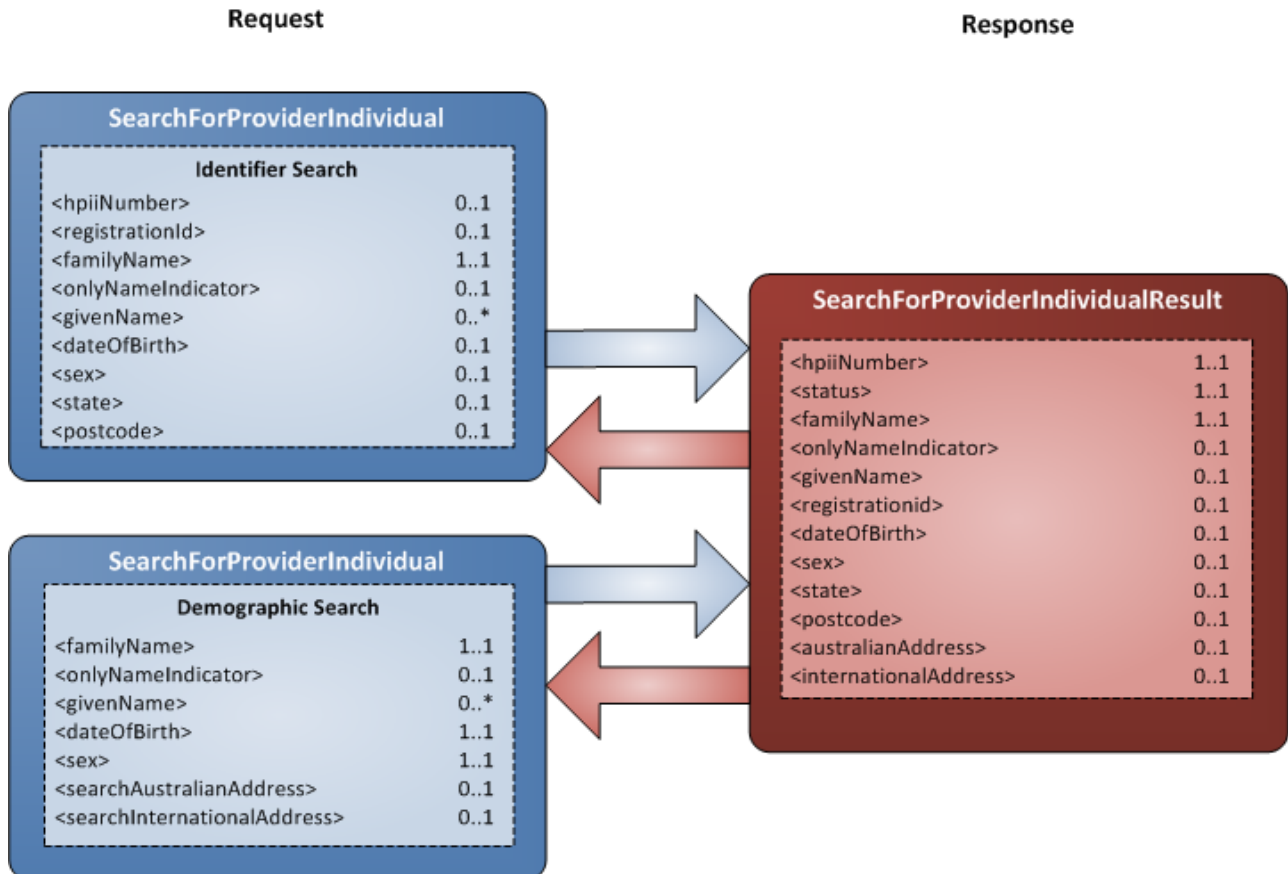


Figure 1- Service Summary Diagram

All identifier search requests are identified by the presence of the following details:

- ☐ hpiiNumber – (conditional) a single element containing the qualified identifier of the individual record. Will not be provided when the registration id is provided.
- ☐ registrationId – (conditional) a single element containing the registration Id of the individual record. Will not be provided when the hpiiNumber is provided.

And at least one of following elements

- ☐ familyName – (mandatory) a single element containing the family name of the individual record.
- ☐ onlyNameIndicator – (optional) an element containing an indicator for a individual record containing only a family name.
- ☐ givenName – (conditional) an element containing the given name of the individual record (may repeat where multiple names are entered).
- ☐ dateOfBirth – (optional) – a single element containing the DOB of the individual record.
- ☐ sex – (optional) - a single element containing the sex of the individual record.
- ☐ state – (optional) a single element containing the state of the individual record.
- ☐ postcode – (optional) a single element containing the postcode for the individual record.

All demographic search requests are identified by the presence of the following details:

- ☐ familyName – (mandatory) a single element containing the family name of the individual record.
- ☐ onlyNameIndicator – (optional) an element containing an indicator for a individual record containing only a family name.
- ☐ givenName – (conditional) an element containing the given name(s) of the individual record (may repeat where multiple names are entered).
- ☐ dateOfBirth – (mandatory) – a single element containing the DOB of the individual record.
- ☐ sex – (mandatory) - a single element containing the sex of the individual record.
- ☐ searchAustralianAddress – (conditional) a group element containing Australian address details for the individual record. The provision of this element excludes provision of the searchInternationalAddress.
- ☐ searchInternationalAddress – (conditional) a group element containing international address details for the individual record. The provision of this element excludes provision of the searchAustralianAddress.

All responses will include the following details:

- ☐ hpiiNumber – a single element containing the identifier of the individual record.
- ☐ status – a single element containing the current status of the individual record.
- ☐ familyName - one element containing the family name that an individual is known by.
- ☐ givenName - one or more elements containing the given name(s) that an individual is known by.
- ☐ serviceMessages - zero or more elements containing system messages which detail the outcomes of processing a request.

The response will also include all search criteria details used:

- ☐ registrationId - a single element containing the registration id entered in the search criteria.
- ☐ onlyNameIndicator – a single element containing an indicator for a individual record containing only a family name.
- ☐ dateOfBirth – a single element containing the date of birth entered in the search criteria.
- ☐ sex – a single element containing the sex entered in the search criteria.
- ☐ state – a single element containing the state entered in the search criteria.
- ☐ postcode – a single element containing the postcode entered in the search criteria.
- ☐ australianAddress – a group element containing the postcode entered in the search criteria.
- ☐ internationalAddress – a group element containing the postcode entered in the search criteria.

3 Service Rules

The rules that govern processing of requests received through this service are as follows:

- WR31.1. Provider individual details will be returned in search result (HPI-I Number or Demographic), if it contains elements that exactly match the search criteria. The record status can be 'active', 'deactivated' or 'retired'.
- WR31.2. When the HPI-I records have been resolved as a duplicate, the HI Service will return an information message (#0134) and the primary HPI-I record with search criteria details.
- WR31.3. A successful search of an individual record will result in:
 - (a) record details being returned, including HPI-I, status, family name, given names and search criteria details.
 - (b) the search request being logged.
- WR31.4. Each request received will be validated to ensure that all required elements are provided and that elements are consistent with their length and type restrictions.
- WR31.5. A provider individual search will be performed where the following details are provided at a minimum:
 - (a) A HPI-I Number or registration id with family name, OR
 - (b) Demographic details (family name, DOB, sex and address – either Australian or international) from the request element set.

If these minimum requirements are not met, an appropriate error will be returned.
- WR31.6. If a request is sent with no elements, the system will return ESBERR message and the user will be required to refine the request by providing appropriate search elements.

4 Included Schemas

The following schema files are included as qualified namespaces by this web service:

Schema & Namespace	Usage Summary
Schema: XMLSchema.xsd Namespace: http://www.w3.org/2001/XMLSchema	Standard XML elements and types.
Schema: IndividualName.xsd Namespace: http://ns.electronichealth.net.au/hi/xsd/providercore/IndividualName/3.2.0	Common elements used for the specification of an individual's name details.
Schema: PersonalDetails.xsd Namespace: http://ns.electronichealth.net.au/hi/xsd/providercore/PersonalDetails/3.2.0	Common elements used for the specification of an individual's gender, date of birth and date of death.
Schema: Address.xsd Namespace: http://ns.electronichealth.net.au/hi/xsd/providercore/Address/3.2.0	Common elements used for the specification of an individual's address details.

Schema & Namespace	Usage Summary
Schema: CommonCoreElements.xsd Namespace: http://ns.electronichealth.net.au/hi/xsd/common/CommonCoreElements/3.2.0	Common elements used across a number of schemas.

5 Request – searchForProviderIndividual

```

<xsd:element
  name="searchForProviderIndividual">
  <xsd:annotation>
    <xsd:documentation> Search for Provider Individual Request element</xsd:documentation>
  </xsd:annotation>
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element ref="tns:hpiiNumber" minOccurs="0" />
      <xsd:element ref="tns:registrationid" minOccurs="0" />
      <xsd:element ref="cin:familyName" minOccurs="0" />
      <xsd:element ref="cin:onlyNameIndicator" minOccurs="0" />
      <xsd:element ref="cin:givenName" minOccurs="0" />
      <xsd:element ref="cce:dateOfBirth" minOccurs="0" />
      <xsd:element ref="cce:sex" minOccurs="0" />
      <xsd:element ref="tns:australianAddressCriteria" minOccurs="0" />
      <xsd:element ref="tns:internationalAddressCriteria" minOccurs="0" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

```

5.1 Request element definitions

Note: All fields must be provided in sequence. Please see TECH.SIS.HI.23 for definitions of elements, complexTypes and simpleTypes referenced below.

Seq #	Element Name	Element Information	Cardinality	Description
1	hpiiNumber	HpiiNumberType See element	0..1 (Conditional) An identifier search must contain hpiiNumber or registration_Id plus a family name	A qualified identifier which will be searched for in the HI Service's Provider individual. The element consists of a {qualifier}+{identifier}. The accepted {qualifier}s include: For Provider Individuals: http://ns.electronichealth.net.au/id/hi/hpii/1.0/
2	registrationId	registrationIdType minLength = 1 maxLength = 20	0..1 (Conditional) An identifier search must contain hpiiNumber or registrationId plus a family name	The registration Id that is prescribed by the registration authority for the individual to practice in this field.

Seq #	Element Name	Element Information	Cardinality	Description
3	familyName	minLength = 1 maxLength = 40 See element	0..1 (Mandatory)	The name an individual has in common with other members of his/her family, as distinguished from his/her given name.
4	onlyNameIndicator	xsd : boolean	0..1 (Conditional Optional) Only provided when no given name is recorded	An individual's who is not identifying by other name(s) and only uniquely identified by the family name.
5	givenName	minLength = 1 maxLength = 40 See element	0..* (Conditional) Must be provided if onlyNameIndicator = false not selected	An individual's identifying name(s) within the family group or by which the individual is uniquely socially identified.
6	dateOfBirth	DateAndAccuracyType See complexType	0..1 (Conditional)	The date of birth of the individual. The date of birth is mandatory for demographic search and optional for an identifier search
7	sex	(enumeration) See element	0..1 (Conditional)	The sex of the individual. . The sex is mandatory for demographic search and optional for an identifier search
8	state	(enumeration) minLength = 1 maxLength = 3	0..1 (Optional)	An identifier of the Australian State or Territory in which an individual is located.
9	postcode	minLength = 1 maxLength = 4	0..1 (Optional)	The numeric descriptor for a postal delivery area (as defined by Australia Post), aligned with locality, suburb or place for the address of an individual.
10	searchAustralianAddress	SearchAustralianAddressType See complexType	0..1 (Conditional) If provided must not be accompanied by a hpIINumber or registrationId or internationalAddressCriteria	An element which is provided where an Australian address is being specified. This element is mutually exclusive of the internationalAddressCriteria element.
11	searchInternationalAddress	SearchInternationalAddressType See complexType	0..1 (Conditional) If provided must not be accompanied by a hpIINumber or registrationId	An element which is provided where an international address is being specified. This element is mutually exclusive of the australianAddressCriteria element.

Seq #	Element Name	Element Information	Cardinality	Description
			or australianAddressCriteria	
Complex Type - SearchAustralianAddressType				
1	unitGroup	see element	0..1	An element group consisting of a unitType and unitNumber, used for specification of a portion of a building/complex. Provide this element if applicable and you wish to provide details of a structured Australian address.
2	addressSiteName	minLength = 1 maxLength = 30 See element	0..1 (Optional)	The full name used to identify the physical building or property as part of its location. Provide this element if applicable and you wish to provide details of a structured Australian address.
3	levelGroup	see element	0..1	An element group consisting of a levelType and levelNumber, used to classify the level details of a multi-storey building/complex. Provide this element if applicable and you wish to provide details of a structured Australian address.
4	streetNumber	minLength = 1 maxLength = 12 See element	0..1 (Conditional)	The numeric or alphanumeric reference number of a house or property that is unique within a street name. Provide this element if applicable and you wish to provide details of a structured Australian address.
5	lotNumber	minLength = 1 maxLength = 15 See element	0..1 (Conditional)	The Australian Lot reference allocated to an address in the absence of street numbering. Provide this element if applicable and you wish to provide details of a structured Australian address.
6	streetName	minLength = 1 maxLength = 30 See element	0..1 (Optional)	The name that identifies a public thoroughfare and differentiates it from others in the same suburb/town/locality. Provide this element if applicable and you wish to provide details of a structured Australian address.
7	streetType	(enumeration) minLength = 1 maxLength = 9 See element	0..1 (Optional)	A code that identifies the type of public thoroughfare. Provide this element if applicable and you wish to provide details of a structured Australian address.
8	streetSuffix	(enumeration)	0..1	Term used to qualify Street Name used

Seq #	Element Name	Element Information	Cardinality	Description
		minLength = 1 maxLength = 2 See element	(Optional)	for directional references. Provide this element if applicable and you wish to provide details of a structured Australian address.
9	postalDeliveryGroup	see element	0..1	An element group consisting of a deliveryType and deliveryNumber, used to identify the channel for postal delivery. Provide this element if applicable and you wish to provide details of a structured Australian address.
10	suburb	See element minLength = 1 maxLength = 50	1..1 (Mandatory)	The full name of the general locality containing the specific address of an individual. This element must be provided for both structured and unstructured Australian addresses.
11	state	(enumeration) minLength = 1 maxLength = 3 See element	1..1 (Mandatory)	An identifier of the Australian State or Territory in which an individual is located. This element must be provided for both structured and unstructured Australian addresses.
12	postcode	minLength = 1 maxLength = 4 See element	1..1 (Mandatory)	The numeric descriptor for a postal delivery area (as defined by Australia Post), aligned with locality, suburb or place for the address of an individual. This element must be provided for both structured and unstructured Australian addresses.
Key reference definition - unitGroup				
1	unitType	(enumeration) minLength = 1 maxLength = 8 See simpleType	1..1 (Mandatory)	The specification of the type of a separately identifiable portion within a building/complex, marina etc. to clearly distinguish it from another.
2	unitNumber	minLength = 1 maxLength = 6 See simpleType	1..1 (Mandatory)	The specification of the number or identifier of a building/complex, marina etc. to clearly distinguish it from another.
Key reference definition - levelGroup				
1	levelType	(enumeration) minLength = 1 maxLength = 2 See simpleType	1..1 (Mandatory)	Descriptor used to classify the type of floor or level of a multi-storey building/complex
2	levelNumber	minLength = 1 maxLength = 4	0..1 (Optional)	Descriptor used to identify the floor or level of a multi-storey building/complex.

Seq #	Element Name	Element Information	Cardinality	Description
		See simpleType		
Key reference definition - postalDeliveryGroup				
1	postalDeliveryType	(enumeration) minLength = 1 maxLength = 11 See simpleType	1..1 (Mandatory)	Identification for the channel of postal delivery.
2	postalDeliveryNumber	deliveryNumberType minLength = 1 maxLength = 11 See simpleType	0..1 (Optional)	Identification number for the channel of postal delivery.
Complex Type - SearchInternationalAddressType				
1	internationalAddressLine	minLength = 1 maxLength = 120 See element	0..1 (Optional)	A composite of address details comprising low level geographic/physical description of a location that, used in conjunction with other high-level address components i.e. 'internationalStateProvince', 'internationalPostcode', and 'country', forms a complete geographical/physical address.
2	internationalStateProvince	minLength = 1 maxLength = 40 See element	0..1 (Optional)	The designation applied to an internal, political or geographic division of a country other than Australia that is officially recognised as a country.
3	internationalPostcode	minLength = 1 maxLength = 10 See element	0..1 (Optional)	The numeric descriptor for a postal delivery area (as defined by the postal service of a country other than Australia) aligned with locality, suburb or place for the address of an individual.
4	country	(enumeration) minLength = 1 maxLength = 4 See element	1..1 (Mandatory)	The country component of the address.

5.2 Example Request – Search for a Provider Individual by ID number

```
<ns2:searchHIProviderForIndividual>
  <ns3:hpiiNumber>http://ns.electronichealth.net.au/id/hi/hpii/1.0/8003618334083150</ns3:hpiiNumber>
  <ns4:familyName>Green</ns4:familyName>
</ns2:searchHIProviderForIndividual>
```

5.3 Example Request – Search for a Provider Individual by

Demographics

```
<ns2:searchHIProviderForIndividual>
  <ns4:familyName>Green</ns4:familyName>
  <ns4:onlyNameIndicator>False</onlyNameIndicator>
  <ns4:givenName>Ross</ns4:givenName>
  <ns4:dateOfBirth>1971-05-15</ns4:givenName>
  <ns4:sex>M</ns4:sex>
  <ns4:address>1 Market St</ns4:address>
  <ns4:suburb>Sydney</ns4:suburb>
  <ns4:state>NSW</ns4:state>
  <ns4:postcode>2000</ns4:postcode>
</ns2:searchHIProviderForIndividual>
```

6 Response - searchForProviderIndividualResult

```
<xsd:element
  name="searchForProviderIndividualResult">
  <xsd:annotation>
    <xsd:documentation> Search for Provider Individual Response element</xsd:documentation>
  <xsd:sequence>
    <xsd:element name="hpIINumber" type="pce:HpIINumberType" />
    <xsd:element ref="ppd:personalDetails" minOccurs="0" />
    <xsd:element ref="pin:individualName" />
    <xsd:element ref="pad:address" />
  </xsd:sequence>
```

6.1 Response element definitions

Note: All fields will be provided in sequence. Please see TECH.SIS.HI.23 for definitions of elements, complexTypes and simpleTypes referenced below.

Seq #	Element Name	Element Information	Cardinality	Description
1	hpIINumber	HpIINumberType See element	0..1 (Mandatory) Where a match is returned the hpIINumber will be returned	A qualified identifier which is used to identify a record which matches search criteria in the HI Service's Provider individual. The element consists of a {qualifier}+{identifier}. The accepted {qualifier}s include: For Provider Individuals: http://ns.electronichealth.net.au/id/hi/hpii/1.0/
2	registrationId	registrationIdType minLength = 1 maxLength = 20	0..1 (Conditional) Where a match is returned the hpIINumber and registrationId will be returned	Mandatory HPII Number will be returned if match is found and registration id returned only if provided in the search criteria.
3	status	StatusType	0..1	An element containing the current

Seq #	Element Name	Element Information	Cardinality	Description
		See complexType	(Mandatory) Field returned when a match is found	status of the individual's record.
4	familyName	minLength = 1 maxLength = 40 See element	0..1 (Mandatory) Field returned when a match is found	An element containing the family name of the individual
5	onlyNameIndicator	xsd : Boolean See element	0..1 (Optional) Field returned either a match found or not	An element containing the Only name indicator as true or false
6	givenName	minLength = 1 maxLength = 40 See element	0..1 (Conditional) Field returned when a match is found	An element containing the given name of the individual. Returned only if provided in the search criteria
7	dateOfBirth	DateAndAccuracyType See complexType	0..1 (Optional) Element returned when used as search criteria and a match is found	The date of birth of the individual. Returned only if provided in the search criteria
8	sex	(enumeration) See element	0..1 (Optional) Element returned when used as search criteria and a match is found	The sex of the individual. Returned only if provided in the search criteria
9	state	(enumeration) See element	0..1 (Optional) Element returned when used as search criteria and a match is found	The state from the individual's Australian address. Returned only if provided in the search criteria
10	postcode	See element	0..1 (Optional) Element returned when used as search criteria and a match is found	The postcode from the individual's Australian address. Returned only if provided in the search criteria
11	australianAddress	AustralianAddressType See complexType	0..1 (Conditional) Element returned when used as search criteria and a match is found	An element which contains the Australian address for this provider individual.
12	internationalAddress	InternationalAddressType	1..1	An element which contains the

Seq #	Element Name	Element Information	Cardinality	Description
		pe See complexType	(Conditional) Element returned when used as search criteria and a match is found	international address for this provider Individual.
13	serviceMessages	See element	0..* (Optional)	<p>An element list which contains overall messages that outline the results of processing a request. These messages may be one of the following:</p> <ul style="list-style-type: none"> • Information • Error <p>Messages are returned in order of severity; with 'Error' being the most severe and 'Information' the least severe.</p>

6.2 Example Response – Search for a Provider Individual Entry by ID Number

```

<prov-pshpdi:searchForProviderIndividualResponse xmlns:prov-
pshpdi="http://ns.electronichealth.net.au/hi/svc/ProviderSearchForProviderIndividual/5.0.0">
  <ns13:searchForProviderIndividualResult
xmlns:ns13="http://ns.electronichealth.net.au/hi/xsd/providermessages/SearchIndividual/5.0.0">
    <ns7:hpiiNumber
xmlns:ns7="http://ns.electronichealth.net.au/hi/xsd/providercore/ProviderCoreElements/5.0.0">http://ns.electronichealth.
net.au/id/hi/hpii/1.0/8003615833336733</ns7:hpiiNumber>
    <ns7:status
xmlns:ns7="http://ns.electronichealth.net.au/hi/xsd/providercore/ProviderCoreElements/5.0.0">A</ns7:status>
    <ns9:familyName
xmlns:ns9="http://ns.electronichealth.net.au/hi/xsd/common/IndividualNameCore/3.0">NELSON</ns9:familyName>
    <ns10:onlyNameIndicator
xmlns:ns10="http://ns.electronichealth.net.au/hi/xsd/providercore/IndividualName/5.0.0">false</ns10:onlyNameIndicato
r>
    <ns9:givenName
xmlns:ns9="http://ns.electronichealth.net.au/hi/xsd/common/IndividualNameCore/3.0">Sam</ns9:givenName>
  </ns13:searchForProviderIndividualResult>
</prov-pshpdi:searchForProviderIndividualResponse>

```


6.3 Example Response – Search for a Provider Individual Entry by Demographics

```
<prov-pshpdi:searchForProviderIndividualResponse xmlns:prov-
pshpdi="http://ns.electronichealth.net.au/hi/svc/ProviderSearchForProviderIndividual/5.0.0">
  <ns13:searchForProviderIndividualResult
xmlns:ns13="http://ns.electronichealth.net.au/hi/xsd/providermessages/SearchIndividual/5.0.0">
    <ns7:hpiiNumber
xmlns:ns7="http://ns.electronichealth.net.au/hi/xsd/providercore/ProviderCoreElements/5.0.0">http://ns.electronichealth.
net.au/id/hi/hpii/1.0/8003615833336733</ns7:hpiiNumber>
    <ns7:status
xmlns:ns7="http://ns.electronichealth.net.au/hi/xsd/providercore/ProviderCoreElements/5.0.0">A</ns7:status>
    <ns9:familyName
xmlns:ns9="http://ns.electronichealth.net.au/hi/xsd/common/IndividualNameCore/3.0">NELSON</ns9:familyName>
    <ns10:onlyNameIndicator
xmlns:ns10="http://ns.electronichealth.net.au/hi/xsd/providercore/IndividualName/5.0.0">false</ns10:onlyNameIndicato
r>
    <ns9:givenName
xmlns:ns9="http://ns.electronichealth.net.au/hi/xsd/common/IndividualNameCore/3.0">Sam</ns9:givenName>
    <ns11:dateOfBirth xmlns:ns11="http://ns.electronichealth.net.au/hi/xsd/providercore/PersonalDetails/5.0.0">
      <ns3:date xmlns:ns3="http://ns.electronichealth.net.au/hi/xsd/providercore/Elements/3.2.0">1983-12-
11</ns3:date>
      <ns3:accuracyIndicator
xmlns:ns3="http://ns.electronichealth.net.au/hi/xsd/providercore/Elements/3.2.0">AAA</ns3:accuracyIndicator>
    </ns11:dateOfBirth>
    <ns2:sex
xmlns:ns2="http://ns.electronichealth.net.au/hi/xsd/common/CommonCoreElements/3.0">M</ns2:sex>
    <ns12:australianAddress xmlns:ns12="http://ns.electronichealth.net.au/hi/xsd/common/AddressCore/5.0.0">
      <streetNumber
xmlns="http://ns.electronichealth.net.au/hi/xsd/common/AddressCore/3.0">99</streetNumber>
      <streetName
xmlns="http://ns.electronichealth.net.au/hi/xsd/common/AddressCore/3.0">RAMOS</streetName>
      <streetType xmlns="http://ns.electronichealth.net.au/hi/xsd/common/AddressCore/3.0">ST</streetType>
      <suburb
xmlns="http://ns.electronichealth.net.au/hi/xsd/common/AddressCore/3.0">HAWTHORN</suburb>
      <state xmlns="http://ns.electronichealth.net.au/hi/xsd/common/AddressCore/3.0">VIC</state>
      <postcode xmlns="http://ns.electronichealth.net.au/hi/xsd/common/AddressCore/3.0">3122</postcode>
    </ns12:australianAddress>
  </ns13:searchForProviderIndividualResult>
</prov-pshpdi:searchForProviderIndividualResponse>
```

7 Functional Validations

Element Name	Validation Condition	Message Code	Message Type
Element: <searchForProviderIndividual>			
general	No records have been found in a search	WSE0035	INFORMATION
	A search is performed on a record which the requestor does not have authority to access.	WSE0162	ERROR
	Multiple records found please refine search criteria	WSE9038	ERROR
hpiiNumber	The element is provided and contains an invalid qualifier or identifier component	WSE9017	ERROR
	The element is provided and is found to be associated with a record that has been resolved	WSE0134	INFORMATION

Element Name	Validation Condition	Message Code	Message Type
	to a duplicate		
registrationId	The element is provided and is found to be associated with a record that has been resolved to a duplicate	WSE0134	INFORMATION
familyName	The element is provided and contains invalid characters	WSE0070	ERROR
	The element has not been provided or does not meet field restrictions	ESBERR	ERROR
	The family name is mandatory.	WSE0001	ERROR
givenName	The element is provided and contains invalid characters	WSE0070	ERROR
	The element has not been provided or does not meet field restrictions	ESBERR	ERROR
sex	An invalid enumeration has been provided	ESBERR	ERROR
dateOfBirth	The element is provided and contains an invalid date format or invalid calendar date	ESBERR	ERROR
	The element is provided and contains a date which is greater than 130 years in the past	WSE0255	ERROR
	The element is provided and contains a date which is in the future	WSE0044	ERROR
state (when optionally provided as part of the search criteria)	An invalid enumeration has been provided	ESBERR	ERROR
postcode (when optionally provided as part of the search criteria)	The postcode provided is invalid	WSE0020	ERROR
unitType	An invalid enumeration has been provided or no element has been provided	ESBERR	ERROR
unitNumber	The element is provided and contains invalid characters	WSE0072	ERROR
	The element's contents exceed the maximum amount of characters or no element has been provided	ESBERR	ERROR
levelType	An invalid enumeration has been provided or no element has been provided	ESBERR	ERROR
levelNumber	The element is provided and contains invalid characters	WSE0072	ERROR
	The element's contents exceed the maximum amount of characters	ESBERR	ERROR
deliveryType	An invalid enumeration has been provided or no element has been provided	ESBERR	ERROR
deliveryNumber	The element is provided and contains invalid characters	WSE0072	ERROR
	The element's contents exceed the maximum amount of characters	ESBERR	ERROR
streetNumber	The element is provided and contains invalid characters	WSE0072	ERROR

Element Name	Validation Condition	Message Code	Message Type
	The element's contents exceed the maximum amount of characters	ESBERR	ERROR
lotNumber	The element is provided and contains invalid characters	WSE0072	ERROR
	The element's contents exceed the maximum amount of characters	ESBERR	ERROR
siteName	The element is provided and contains invalid characters	WSE0072	ERROR
	The element's contents exceed the maximum amount of characters	ESBERR	ERROR
streetName	The element is provided and contains invalid characters	WSE0072	ERROR
	The element's contents exceed the maximum amount of characters	ESBERR	ERROR
streetType	An invalid enumeration has been provided	ESBERR	ERROR
streetSuffix	An invalid enumeration has been provided	ESBERR	ERROR
postcode	The postcode provided is invalid	WSE0020	ERROR
	The element has not been provided or does not meet restrictions	ESBERR	ERROR
suburb	The element has not been provided or does not meet restrictions	ESBERR	ERROR
state	An invalid enumeration has been provided	ESBERR	ERROR
	The element has not been provided or does not meet restrictions	ESBERR	ERROR
country	An invalid enumeration has been provided	ESBERR	ERROR
	The element has not been provided or does not meet restrictions	ESBERR	ERROR
Element: <individualNameRecord> - see TECH.SIS.HI.23 Section 3.6 for functional validations			

8 Cross-element Validations

Element Name	Validation Condition	Message Code	Message Type
hpiiNumber registrationId familyName onlyNameIndicator givenName sex dateOfBirth postcode state	Either the HPI-I Number or the Registration Id are required to complete an identifier search.	WSE9037	ERROR
hpiiNumber registrationId australianAddressCriteria internationalAddressCriteria	Both Identifier and Demographic search terms have been provided. Both may not be provided as part of a search. Either one or the other must be provided.	WSE9015	ERROR

Element Name	Validation Condition	Message Code	Message Type
australianAddressCriteria internationalAddressCriteria	The australianAddressCriteria and the internationalAddressCriteria have been provided	WSE9004	ERROR
deliveryType deliveryNumber	The deliveryNumber has been provided without providing a deliveryType	ESBERR	ERROR
deliveryType deliveryNumber	The deliveryType has been provided without providing a deliveryNumber	WSE0091	ERROR
unitType unitNumber	The unitNumber has been provided without providing a unitType	ESBERR	ERROR
unitType unitNumber	The unitType has been provided without providing a unitNumber	WSE0091	ERROR
levelType levelNumber	The levelNumber has been provided without providing a levelType	ESBERR	ERROR
levelType levelNumber	The levelType has been provided without providing a levelNumber	WSE0091	ERROR
lotNumber streetNumber	The lotNumber and streetNumber elements have both been provided	WSE0027	ERROR
streetNumber streetName	The streetNumber has been provided without providing a streetName	WSE0172	ERROR
postcode suburb state	The postcode, suburbTownLocality and state are provided but are found to be an invalid combination	WSE0024	ERROR
streetName deliveryType siteName	The siteName is provided without providing either a deliveryType or a streetName	WSE0172	ERROR
lotNumber streetName	The lotNumber is provided without providing a streetName	WSE0172	ERROR
lotNumber deliveryType	The lotNumber and deliveryType elements have both been provided	WSE0027	ERROR
unitNumber deliveryType	The unitNumber and deliveryType elements have both been provided	WSE0027	ERROR
unitType deliveryType	The unitType and deliveryType elements have both been provided	WSE0027	ERROR

9 Information, Warning and Error Messages

This section defines the messages that may be returned by this service along with any response.

Message Number	Message Text
WSE0001	<element name> is mandatory.
WSE0020	The postcode you have entered is invalid. The postcode must only be numeric and must be 4 digits long.
WSE0024	Invalid locality/postcode/state combination.
WSE0027	<element name> not allowed if <element name> has been entered.
WSE0035	No records have been found.
WSE0044	<element name> cannot be a date in the future.

Message Number	Message Text
WSE0070	The <element name> contains invalid characters. Only alpha and numeric characters, apostrophes, full stops and hyphens are acceptable. Spaces are also acceptable but must not appear immediately before or after apostrophes and hyphens.
WSE0072	The <element name> contains invalid characters. Only alpha and numeric characters are acceptable as well as, apostrophes, fullstops, hyphens, commas, inverted commas, backslashes, forward slashes and brackets. Spaces are also acceptable but must not appear immediately before or after apostrophes and hyphens.
WSE0073	The <element name> contains invalid characters. Only alpha and numeric characters are acceptable as well as, apostrophes, fullstops, hyphens, commas, inverted commas, backslashes, forward slashes, brackets and '@' symbol. Spaces are also acceptable but must not appear immediately before or after apostrophes and hyphens.
WSE0091	<element name 2> is required when <element name 1> is entered.
WSE0134	This <Organisation/individual type> record is a duplicate <Organisation /individual type> record that has been resolved to <Organisation /individual type> number <Organisation /individual Number>.
WSE0162	You are unable to perform this function as you do not have the appropriate authorisation.
WSE0172	Either a Street Name or the Postal Delivery Type must be entered.
WSE0255	Age > 130 years.
WSE9004	Either <element 1> or <element 2> must be provided. Both elements cannot be provided as part of the same request.
WSE9015	Both Identifier and Demographic search terms have been provided. Both may not be provided as part of a search. Either one or the other must be provided.
WSE9017	The identifier number {0} is invalid.
WSE9037	Either the HPI-I Number or the Registration Id are required to complete an identifier search
WSE9038	Multiple records found please refine search criteria
ESBERR	<Badly Formed Message Error>.

10 Definitions, Acronyms and Abbreviations

The following table provides a list of all terms, acronyms and abbreviations required to properly interpret the System Interface Specifications:

Acronym	Description
B2B	Business to Business
CSP	Contracted Service Provider
HI	Healthcare Identifiers
OMO	Organisation Maintenance Officer
RO	Responsible Officer
HPI-I	Healthcare Provider Identifier – Individual
HPI-O	Healthcare Provider Identifier – Organisation
IHI	Individual Healthcare Identifier
PCEHR	Personally Controlled Electronic Health Record
PKI	Public Key Infrastructure
SIS	System Interface Specification
SOAP	Simple Object Access Protocol
WSDL	Web Services Description Language
XML	Extensible Mark-up Language
XSD	XML Schema Definition