



Australian Government
Department of Human Services

Healthcare Identifiers (HI) Service

System Interface Specification (SIS)
Search for Provider Organisation Details
TECH.SIS.HI.32

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Document Change Control

Date of Issue	Brief Description of Change
May 2013	Final v1.1

Associated Documents

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

Document Name
Common Functionality Document (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_ProviderSearchForOrganisation-5.0.0.wsdl	5.0.0

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

Introduction

The SearchProviderOrganisation web service allows a trusted party to search for a single Provider Organisation within the HI Service. The request may be made by an individual acting in one or more of the following roles:

- ☐ an Healthcare Provider Identifier- Individual (HPI-I)
- ☐ an Organisation Maintenance Officer (OMO).
- ☐ an 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 organisation record

1 Preconditions

None.

2 Service Summary

This web service offers a common interface for requesting identifier to search of the organisation record within the HI Service.

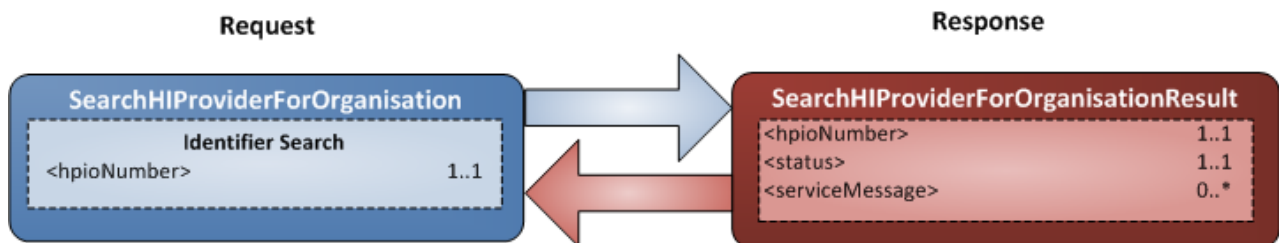


Figure 1- Service Summary Diagram

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

- ☐ hpioNumber – a single element containing the qualified identifier of the organisation record.

All responses will include the following details:

- ☐ hpioNumber – a single element containing the qualified identifier of the organisation record
- ☐ status – a single element containing the current status of the organisation record
- ☐ serviceMessages - zero or more elements containing system messages which detail the outcomes of processing a request.

3 Service Rules

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

- WR32.1. A provider organisation will be returned in search results if it contains elements that exactly match the search criteria. The record status can be 'A'=active, 'D'=deactivated and 'R'=retired status.
- WR32.2. When HPI-O records have been resolved as duplicate, the HI Service will return an informational message (#0134) and the primary HPI-O record details.
- WR32.3. A successful search of an organisation record will result in:
 - (a) A matching provider organisation number and status being returned.
 - (b) The search request being logged.
- WR32.4. 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.
- WR32.5. A provider organisation search will be performed where the following details are provided at a minimum:
 - (a) A HPI-O Number
 If this minimum requirement is not met, an appropriate error will be returned.
- WR32.6. 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: 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 – searchHIProviderForOrganisation

```
<xsd:element
  name="searchHIProviderForOrganisation">
  <xsd:annotation>
    <xsd:documentation> Search for Provider Organisation Request element</xsd:documentation>
  </xsd:annotation>
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element ref="tns:hpioNumber" 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	hpioNumber	HpioNumberType See element	1..1 (Mandatory)	A qualified identifier which will be searched for in the HI Service's Provider Organisation. The element consists of a {qualifier}+{identifier}. The accepted {qualifier}s include: For Provider Organisations: http://ns.electronichealth.net.au/id/hi/hpio/1.0/

5.2 Example Request – Search for a Provider Organisation Entry by HPI-O

```
<ns2: searchHIProviderForOrganisation >
  <ns3:hpioNumber>http://ns.electronichealth.net.au/id/hi/hpio/1.0/8003620833335107</ns3:hpioNumber>
</ns2: searchHIProviderForOrganisation >
```

6 Response – SearchHIProviderForOrganisationResult

```
<xsd:element
  name=" searchHIProviderForOrganisationResult">
  <xsd:annotation>
    <xsd:documentation> Search for Provider Organisation Response element</xsd:documentation>
  </xsd:annotation>
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element name="hpioNumber" type="pce:HpioNumberType" />
      <xsd:element name="status" type="pce:StatusType"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```


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	hpioNumber	HpioNumberType See simpleType	1..1 (Mandatory)	A qualified identifier which is used to identify an organisation record within the HI Service. The element consists of a {qualifier}+{identifier}. The accepted {qualifier}s include: For Provider Organisations: http://ns.electronichealth.net.au/id/hi/hpio/1.0/
2	status	StatusType See complexType	1..1 (Mandatory)	An element containing the current status of the organisation's record.
3	serviceMessages	See element	0..* (Optional)	An element list which contains overall messages that outline the results of processing a request. These messages may be one of the following: <ul style="list-style-type: none"> • Informational • Error Messages are returned in order of severity; with 'Error' being the most severe and 'Informational' the least severe.

6.2 Example Response – Search for a Provider Organisation Entry by HPI-O

```
<prov-pshpdo:searchForProviderOrganisationResponse xmlns:prov-
pshpdo="http://ns.electronichealth.net.au/hi/svc/ProviderSearchForProviderOrganisation/5.0.0">
  <ns5:searchForProviderOrganisationResult
xmlns:ns5="http://ns.electronichealth.net.au/hi/xsd/providermessages/SearchOrganisation/5.0.0">
    <ns4:hpioNumber
xmlns:ns4="http://ns.electronichealth.net.au/hi/xsd/providercore/ProviderCoreElements/5.0.0">http://ns.electronichea
lth.net.au/id/hi/hpio/1.0/8003627500003025</ns4:hpioNumber>
    <ns4:status
xmlns:ns4="http://ns.electronichealth.net.au/hi/xsd/providercore/ProviderCoreElements/5.0.0">A</ns4:status>
  </ns5:searchForProviderOrganisationResult>
</prov-pshpdo:searchForProviderOrganisationResponse>
```

7 Functional Validations

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

8 Cross-element Validations

None

9 Informational, Warning and Error Messages

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

Message Number	Message Text
WSE0035	No records have been found.
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.
WSE9017	The identifier number {0} is invalid.
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
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