

# LIST Property Sales Web Service

*Information Sheet*

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## I LIST Property Sales Web Services

### I.1 What is the LIST?

The Land Information System Tasmania (the LIST) is a whole-of-government online infrastructure that helps you find and use information about land and property in Tasmania. The LIST can be accessed by visiting [www.thelist.tas.gov.au](http://www.thelist.tas.gov.au). The LIST is comprised of a number of components, which are briefly summarised below:

- The **Properties and Titles** search facility of the LIST enables you to find and obtain a range of property and title documents and information, including land titles, survey plans, government valuations, property reports and sales data
- **LISTmap** is a free, easy to use, online map application that allows you to view, create and share your own customised maps of Tasmania
- **LISTdata** is a free, easy to use online data portal that helps you discover, use and reuse a wide range of Tasmanian location-based information, and provides a central access point to connect to or download authoritative government data.
- **LISTservices** is a web service endpoint(s) that can be integrated into your business systems and applications via spatial web services

### I.2 LIST Property Sales web service

The LIST currently provides a web interface for clients to search for property sales using a combination of search criteria; as well as a Web Service interface to provide similar functionality for business to business (B2B) applications between the LIST and external clients. Please note that there are charges associated with accessing property sales. (Please contact us for the current charges).

To access the web service you will need to:

- Contact Land Tasmania Client Services to complete an application form which includes the setup of an invoicing account.
- Supply the IP address of the computer/s you will be using to access the test system so that we can allow them through our firewall.
- You will then be issued with a username and password that has access to the Property Sales Web Service in both our test and production systems.

#### I.2.1 Production endpoint

The production endpoint for clients to access the current data is:

<https://www.thelist.tas.gov.au/listws/PropertySalesService>

### 1.2.2 Test endpoint

The LIST has a test endpoint for clients to develop their systems to interact with the Property Sales Web Service at:

<https://test.thelist.tas.gov.au/listws/PropertySalesService>

The test database provides access to sales at a point in time and is not up to date but will provide you data to test at no charge. There is no guarantee that the test service will be available at all times.

## 2 Further support

An example SoapUI project is attached that utilises the test web service endpoint to assist your development.

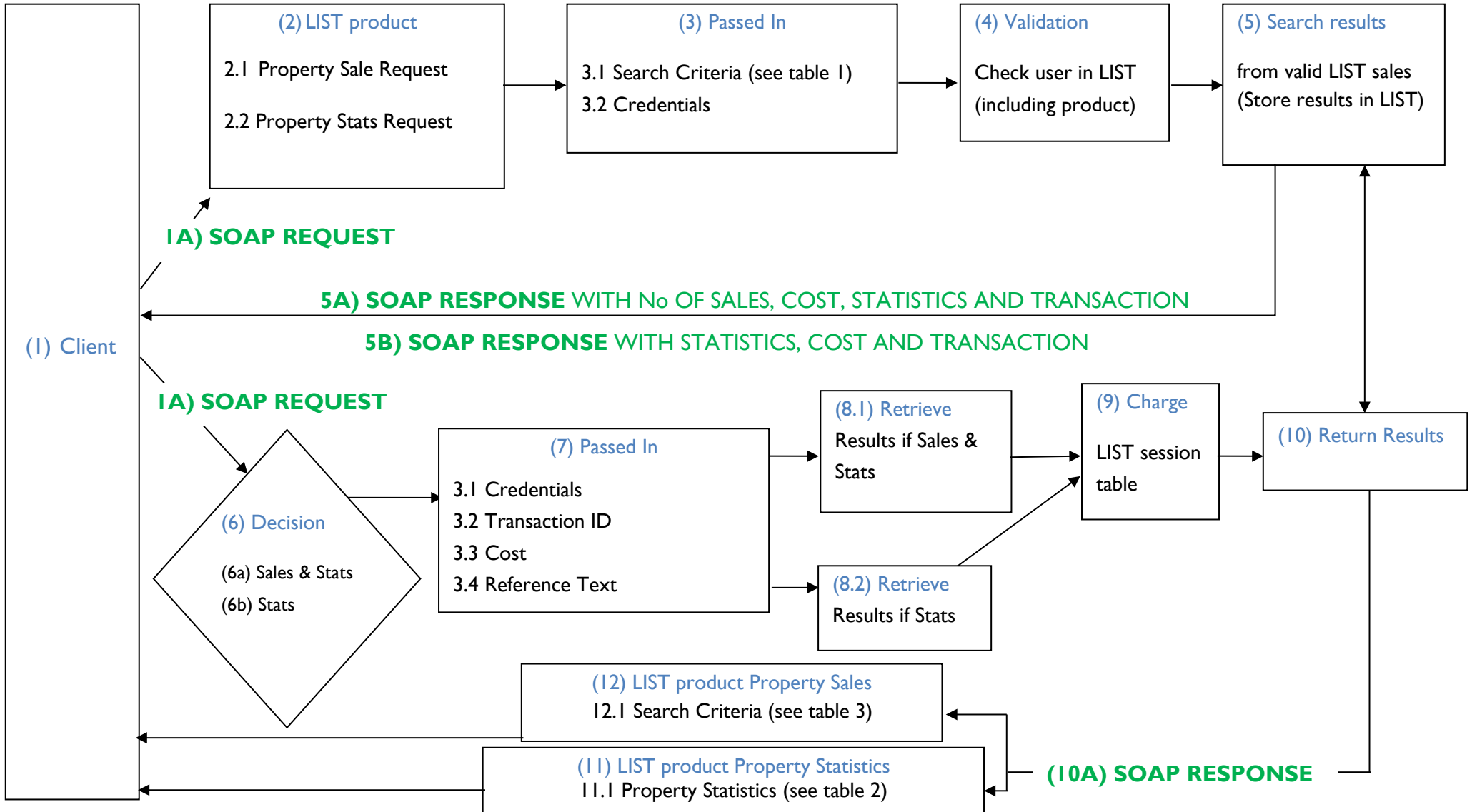
The full functional details of the LIST Property Sales Web Service are detailed in Section 3 of this document.

For further help to contact our Client Services team at the:

#### **LIST Helpdesk**

**Phone:** (03) 6165 4444 or  
**Email:** [listhelp@dpipwe.tas.gov.au](mailto:listhelp@dpipwe.tas.gov.au)

### 3 Web Service Functionality



## Numbering throughout this section refers to the numbering on the Web Services Functionality diagram on page 6.

### 1. Client

The client will send an XML request (1A) of search criteria containing one or many of the existing search criteria contained within the existing Property Sales search page. This criterion is listed in Table I.

### 2. LIST Product

There are two LIST products attributed to the LIST Property Sales Web Service.

- Property Sales Web Service; and
- Property Sales Web Stats

The Property Sales Web Services allows for one, either, or a combination of these products.

### 3. Passed In – (WS Request 1)

The xml request containing the criteria and the client's credentials will then be passed in.

### 4. Validate users Credentials and Product Access

A check will then be done that the client is a valid LIST user and that they have access to the new Property Sales Web Service product.

### 5. Search for Sales results meeting Criteria

If the user is a valid LIST client and has access to the product a search is done from valid LIST Sales. Sales results as retrieved from the sale (the\_list.sale) and the property table (the\_list.property). These tables are defined in Appendix B - Valid sales results are retrieved using the following additional criteria over and above the search criteria:

```
the_list.sale.property_id = the_list.property.property_id
and the_list.sale.discontinued_date IS NULL
and the_list.property.currency_code IN ('LIV','CAN', 'POT')
the_list.property.property_type_code = 'VRE'
```

This is then stored for 24 hrs. Two soap responses are returned to the client for acceptance:

- Soap response (5A) with the number of sales, statistics, the cost and an automatically generated transaction ID,
- Soap response (5B) with the statistics, the cost and an automatically generated transaction ID.

If the client wishes to modify their request they repeat the above steps. If the user is not a valid LIST client and/or does not have access to the product an error response is returned. If the XML request contains invalid search parameters or is formatted incorrectly a message is sent back to the user with the appropriate message with an explanation as to the cause.

The client will send another XML request (1B) to commence the purchase and retrieval or records.

### 6. Passed in – (WS Request 2 sales and statistics)

When the client is happy with the number of sales and the cost they are required to make a decision

- 6a. Property Sales and Statistics (at stated cost) (see 8.1); or
- 6b. Property Statistics only (at stated cost) (see 8.2)

## **7. Passed in – (WS Request 2 statistics)**

They then submit the desired request containing their credentials, Transaction ID, their reference text (optional) and Cost returned from the first Web Service response. In doing this they confirm they are going to be charged the stated cost.

### **8.1 Retrieve Results (sales and statistics)**

The sales results and statistics are then retrieved from stored results in step 5. Their transaction ID must match the transaction ID stored and the cost resubmitted must match the cost stored against the transaction id as in table 3 below

### **8.2 Retrieve Results (statistics)**

The sales statistics are then retrieved from stored results in step 5. Their transaction ID must match the transaction ID stored as in table 2 below.

## **9. Charge**

The cost is then recorded on the user's LIST account along with the transaction ID and their reference text. The cost is generated from the product code in the LIST Client Management module.

## **10. Return Results**

Depending on which decision was made in step 6 the results (10) are then returned in XML format (soap response 10A) to the user along with a time stamp, their search criteria transaction ID and some statistics as shown below.

## **11. LIST Product Property Statistics**

For decision 6b the property statistics are returned as in Table 2.

## **12. LIST Product Property Sales**

For decision 6a the property statistics are returned as in Table 3.

**TABLE I – LIST Property Sales Search Criteria**

CRITERIA	FORMAT	CONSTRAINTS	NUMBER	OPTIONS	COMMENTS
PID	Number (7,0) (Live, Cancelled, Potential)	Must be 7 characters	1 or many		
Property Currency Code	VARCHART2(3BYTE)		1 or many	Live; Potential; Cancelled	
Municipality	VARCHART2(3BYTE)		1 or many		
Locality	VARCHART2(46BYTE)		1 or many		
Building Subunit Number	VARCHART2(11BYTE)				
Street Number From	Number (6,0)				
Street Number To	Number (6,0)				
Street Name	VARCHART2(45BYTE)		1 or many		
Street Type		Must be standard Street Type	1		
Street Type Code	VARCHART2(4BYTE)				
Land Use Code	VARCHART2(4BYTE)	Must be standard Land Use Code	1 or many		Also known as 'Valuation Property Classification'
Postcode	Number (4,0)	Must be valid Tasmanian postcode	1 or many		
State	VARCHART2(3BYTE)				
Wall Type Code	VARCHART2(4BYTE)	Must be standard Wall Type Code	1 or many		
Roof Type Code	VARCHART2(3BYTE)	Must be standard Roof Type Code	1 or many		
Construction Year	Number (4,0)		1	Equal to; Later than or equal to; Earlier than or equal to; In Range	



Building Size	Number (10,2)		I	Equal to; Later than or equal to; Earlier than or equal to; In Range	
Number of Rooms	Number (3,0)		I	Equal to; Later than or equal to; Earlier than or equal to; In Range	Excludes Kitchen and conveniences.
Sale Date	dd/mm/yyyy		I	Equal to; Later than or equal to; Earlier than or equal to; In Range	This is the contract date as captured from the notice of sale form and exported to VISTAS
Sale Price	Number (10,0)		I	Equal to; Later than or equal to; Earlier than or equal to; In Range	
Capital Value	Number ( 9,0)		I	Equal to; Later than or equal to; Earlier than or equal to; In Range	At the time of the sale date
Land Area	Number (9,4)		I	Equal to; Later than or equal to; Earlier than or equal to; In Range	In Hectares
LIST Date	dd/mm/yyyy		I	Equal to; Later than or equal to; Earlier than or equal to; In Range	This is the date the sale was replicated to the LIST database from VISTAS

**TABLE 2 – LIST Property Sales Statistics**

Minimum Sale Price	Price
Maximum Sale Price	Price
Number of Records	Number
Mean Sale Price	Price
Median Sale Price	Price
Date Stamp	yy/mm/dd/mm/ss
Transaction ID	Unique, auto generated Transaction ID
Reference Text	User defined

**TABLE 3 – LIST Property Sales**

CRITERIA	FORMAT	CONSTRAINTS	NUMBER	OPTIONS	COMMENTS
PID	Number (7,0) (Live, Cancelled, Potential)	Must be 7 characters	1 or many		
Property Currency Code	VARCHART2(3BYTE)		1 or many	Live; Potential; Cancelled	
Municipality	VARCHART2(3BYTE)		1 or many		
Locality	VARCHART2(46BYTE)		1 or many		
Building Subunit Number	VARCHART2(11BYTE)				
Street Number From	Number (6,0)				
Street Number To	Number (6,0)				
Street Name	VARCHART2(45BYTE)		1 or many		
Street Type		Must be standard Street Type	1		
Street Type Code	VARCHART2(4BYTE)				
Land Use Code	VARCHART2(4BYTE)	Must be standard Land Use Code	1 or many		Also known as 'Valuation Property Classification'
Postcode	Number (4,0)	Must be valid Tasmanian postcode	1 or many		
State	VARCHART2(3BYTE)				
Wall Type Code	VARCHART2(4BYTE)	Must be standard Wall Type Code	1 or many		
Roof Type Code	VARCHART2(3BYTE)	Must be standard Roof Type Code	1 or many		
Construction Year	Number (4,0)		1		
Building Size	Number (10.2)		1		

Number of Rooms	Number (3,0)				Excludes Kitchen and conveniences.
Sale Date	dd/mm/yyyy				This is the contract date as captured from the notice of sale form and exported to VISTAS
Sale Price	Number (10,0)				
Capital Value	Number ( 9,0)				At the time of the sale date
Land Area	Number (9,4)				In Hectares
LIST Date	dd/mm/yyyy				This is the date the sale was replicated to the LIST database from VISTAS
Transaction ID	User defined (15 char)				Unique, auto generated Transaction ID
Reference text	User defined (15 char)				User defined
Date Stamp	yy/mm/dd/mm/ss				
Number of Records	Number				
Minimum Sale Price	Price				
Maximum Sale Price	Price				
Mean Sale Price	Price				
Median Sale Price	Price				

**Attachment:**            **Example SoapUI project (LIST Property Sales –LISTWSTEST)**