Local Government Association of South Australia

Part B
Statement of Requirements and Specification

for

My Local Services Application
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1. Introduction

The Local Government Association of SA (LGA) is sponsoring an initiative on behalf of SA Councils to develop a service and solution that provides a range of ‘local’ location based information that is easily accessible by mobile devices (Smart phones, etc.) as well as home and business PC’s.

In September 2011 representatives from 18 SA metropolitan, regional and country Councils contributed to identifying the potential scope for a future solution as well as some of the associated challenges and issues that would require addressing to assure a successful product and outcome.

An Expression of Interest was carried out in February 2012 to inform the LGA of potential suppliers for a solution.

The proposed My Local Services Application solution (proposed solution) builds on the existing ‘SA Council Maps’ that is in place across many Councils (funded by the LGA and maintained by member Councils) and extends its capability and offering to members of the community to provide a ‘richer’ information access experience.

2. Overview of Requirements

The LGA requires a suitably qualified solution provider/vendor to provide an optimum solution with application across its representative Councils state-wide.

The My Local Services Application is expected to be a contemporary application for use by residents, ratepayers and visitors who are increasingly seeking technological and ‘smart’ alternatives and solutions.

Some of the features of the proposed solution will include providing information across ‘themes’ in relation to a pre-specified location. In general, these themes can be grouped into the following top level categories:

- Council Information
- News and Events
- Waste and Recycling
- Libraries
- Parks
- Development
- Request action / communicate with Council
- Other useful mobile Apps

The LGA believes the solution may leverage standard database solutions (i.e. open source or proprietary) by adding spatial support to a database and enabling the spatial query functionality through a series of web services.

The intention is that the proposed solution will complement Councils’ existing website content by leveraging standardised datasets contained in the LGA Metabase.

The LGA wish to develop a system that is ‘low maintenance’ with simple and intuitive interfaces for both users and system administrators.
2.1 Terminology

<table>
<thead>
<tr>
<th>Term</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>LGA Metabase</td>
<td>The LGA Metabase is a shared MS SQL database of Council data that is managed through a decentralised model. ie Council’s maintain their own data through their own instance of the Unity Content Management System which then populates the Metabase. Each time a Council triggers a content deployment within their instance of Unity any changes to Metabase content is written the LGA Metabase.</td>
</tr>
<tr>
<td>CAR</td>
<td>Customer Action Request is standard terminology used throughout Local Government for service requests lodged by a citizen ie: street requires sweeping, pavement requires repair etc.</td>
</tr>
<tr>
<td>GUI or UI</td>
<td>Graphical User Interface</td>
</tr>
<tr>
<td>App</td>
<td>A software application that runs on a mobile device either as a native app or as a HTML 5 delivered website scaled for the device screen width.</td>
</tr>
</tbody>
</table>

2.2 Out of scope

3. Statement of Functional Requirements

The following section of this document outlines the detailed design to be used in the development of the My Local Services Application. Not all technical details have been specified to the level of precise fields, database design/architecture and final GUI elements, interface experience and cosmetic treatment.

Our expectation is that the successful vendor will elaborate on the requirements to essentially deliver the application’s functions and interface as outlined herein.

3.1 Criticality of requirements

The requirements contained within this document have been assigned a level of criticality defined as:

- **M** – Mandatory – Must be fulfilled in stage 1 release 1. *All requirements are Mandatory unless otherwise specified* as per below.
- **HD** – Highly Desirable – May be fulfilled in stage 1 release 1 or future stages
- **D** – Desirable – May be fulfilled in future stages
3.2 Solution concept

The high-level solution overview is represented in the following diagram.

Diagram 1: Conceptual overview of proposed solution

3.3 System user classes

Users of the My Local Services Application are classified under four (4) primary classes:

1. **System Administrator User**: A System Administrator (Sys Admin) user has the ability to control configurations, maintain relevant datasets and manage system business rules and general system administration.

2. **Council Administrator User**: A Council Administrator (Council Admin) user has the ability to control configurations for various home page elements on the App for their Council area.

3. **Public user**: A public user is a member of the public who interacts with the My Local Services App via a mobile device or website.

4. **Alternate App user**: An alternate App user is a third party application that interacts with the My Local Services Application via a mobile device or website consuming publicly available web services.
3.4 Mobile and Website App

Stage 1 of the project will deliver an App which allows the user to navigate general themes, notionally grouped into the following top level categories, and essentially perform a point-in-polygon query based on their current spatial location:

Home screen
- ‘Spotlight’ tiles or icons configurable by the Council with a hyperlink to a special event or news item
- Council logo / branding tile or icon configurable by the Council

Council Information
- Contact Info for Council
- Elected Members (ie: in this Council and associated Ward from the LGA Metabase if relevant)

News and Events
- Council Latest News
- Council Media Releases
- Council Public Notices
- Council Events

Waste and Recycling
- Kerbside Collection Days - Refer to attached Appendix I - example GIS layers
- Hard Rubbish Collection Days
  - HD – Overlay or footer with last updated date shown taken from GIS layer information
  - D – Waste Disposal and Recycling Centres (To be specified in more detail as information becomes available. The dataset to support this functionality will come from: http://www.zerowaste.sa.gov.au/at-home/recycle-right)

Libraries
- Libraries ie: location, opening hours, events etc

Parks and playgrounds
- Parks
- Playground
- Park (and associated attributes)

Development
- Development Plan Zones
- Wind speed Zones
- Refer to attached Appendix I - example GIS layers
- Development Related hyperlinks

Request action / communicate with Council
• Ability for users to lodge Customer Action Requests (CAR) directed to the Council with photo from the mobile device attached
• Ability to report a dataset is out of date
• Ability to ask a question of Council
• Ability to suggest an App feature

Other useful mobile Apps
• In App browser link to: http://m.toiletmap.gov.au
• Additional Council configurable App links ie: to iTunes Store
• Additional Council configurable in-Browser App links ie: to a Council website URL that displays a mobile optimised webpage with content, search form etc

The architecture of the Mobile and Website App will allow the addition of datasets to the top level categories in later stages with minimum impact on the underlying structure of the database etc. That is, it should be a relatively simple process to define and include additional datasets in future versions of the system. These datasets may be for new content contained in the Metabase for instance.

3.4.1. Geographic rendering

It is assumed that the mapping engine and underlying API for geographic rendering will be Google maps. This is freely available subject to certain licensing issues, which involve access rights and daily map loads. A one off license cost may be incurred if these terms are not met by intended use as per section 9 of the Google Maps license. The LGA is open to utilising an alternative mapping engine subject to cost considerations.

3.4.2. General requirements of the Mobile and Website App UI

The Mobile and Website App will need to be delivered on three main platforms: iPhone App, Android App, and Web App in HTML 5.

More detailed wireframes of the proposed application workflow are contained in Appendix II - functional wireframes - Mobile and Website App UI

General requirements of the Mobile and Website App UI
• Use of large easy to read buttons/interface
• Ability to attach a photo to a Customer Action Request (CAR)
• Geo location must be associated with a CAR
• Ability to inform Council of an outdated dataset
• Customisable ‘favourites’
• Customisable default view ie: default to Kerbside Collection days on Home Screen
• Customisable default Council area that the user can save
• Where the user location is close to a border of another spatial layer (eg: Kerbside Collection area with a different collection day), a “buffer query” in the back-end database will be utilised to alert the user:
• “Your chosen location is bordering another area. The above results should be checked with your local Council”

• Integration with Twitter and Facebook ie: allow the user to ‘like’ a particular park or facility and tweet about the facility

• Potential for the user to tag where they have been (possibly linked with foursquare)

• D – A “How to get here” map/or route planner feature

3.4.3. iPhone App and Android App

The iPhone and Android App will have the following functions:

• Access GPS of device - Allow
  • Or ability to Search for a different Current Location

Home screen

• Council logo / branding tile or icon is displayed

• ‘Spotlight’ tiles or icons with associated hyperlinks to a special event or news item are displayed. The hyperlink may also be a mailto: link that will invoke the user’s email client with a default Subject.

• Link to Terms and Conditions page (text for this page will be global across all Councils)

Council Information

• Contact Information for the current Council

• Elected Members (ie: in the current Council)

• Contact Information for Wards (if relevant ie: many Councils do not have Wards)

• Council Office locations

News and Events

• Council Latest News

• Council Media Releases

• Council Public Notices

• Council Events
  • Events nearby

Waste and Recycling

• Kerbside Collection Days

• Hard Rubbish Collection Days
• **HD** – Ability to save Collection Day as Events/Reminders into mobile device calendar

• **D** – Waste Disposal and Recycling Centres (To be specified in more detail as information becomes available. The dataset to support this functionality will come from: [http://www.zerowaste.sa.gov.au/at-home/recycle-right](http://www.zerowaste.sa.gov.au/at-home/recycle-right))

Libraries

• Libraries ie: location, opening hours, events etc
  • Library Events nearby (ordering from closest to furthest)

Parks and Playgrounds

• Parks nearby
• Playground’s nearby (ordering from closest to furthest)
• Park (and associated attributes as provided by the Metabase)

Development

• Development Plan Zones
• Wind speed Zones
• Development Related hyperlinks

Request action / communicate with Council

• Ability for users to lodge Customer Action Requests (CAR) directed to the Council with photo from the mobile device attached
  • Select from a list of state-wide CAR types (to be provided by the LGA)
  • Additional Notes field
  • Name, email and phone number (non-mandatory)
  • Response required yes/no flag
  • **HD** – Ability for users to view a map of submitted CARs and vote on issues needing attention ie: to assist Council with determining priorities
• Ability to report a dataset is out of date
• Ability to ask a question of Council

Other useful mobile Apps

• In App browser link to: [http://m.toiletmap.gov.au](http://m.toiletmap.gov.au)
• Additional Council configurable App links ie: to iTunes Store
• Additional Council configurable in-App Browser mobile website links ie: to a Council website URL that displays a mobile optimised webpage with content, search form etc

Social media
• Ability to ‘like’ a Council facility
• Ability to tweet about a Council facility

Configuration / Settings
• Ability for the user to set Default Council area and additional Council areas
• Ability for the user to set themes, or sub-themes ‘pinned’ to Home screen of the App. The method may be a touch-hold and drag of icons for re-positioning.
• Enable/disable push notifications

Refer to Appendix II - functional wireframes - Mobile and Website App UI for more detailed description of GUI elements.

3.4.4. Web App
A HTML 5 web application will be delivered for mobile devices that are not IOS or Android. This version will allow rescale of the screen contents according to the device screen width and therefore be usable on a desktop or laptop platform and tablet device.
• Display to be compatible with the following browsers:
  • Internet Explorer 8, 9 +
  • Mozilla
  • Safari
  • Chrome
  • Firefox
  • iOS Webkit
  • Windows Mobile 7 and 8
• Access GPS of device - Allow (if mobile device detected)
• Acquire current location button; or
  • Or ability to Search for a different Current Location

Web App Home screen
• Council logo / branding tile or icon is displayed
• ‘Spotlight’ tiles or icons with associated hyperlinks to a special event or news item are displayed
• Link to Terms and Conditions page (text for this page will be global across all Councils)
Council Information

- Contact Information for the current Council
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  - Additional Notes field
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Other useful mobile Apps

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Social media

- Ability to ‘like’ a Council facility
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Configuration / Settings

- Ability for the user to set Default Council area and additional Council areas
- Ability for the user to set themes, or sub-themes ‘pinned’ to Home screen of the App. The method may be a touch-hold and drag of icons for re-positioning.
- Enable/disable push notifications

Refer to Appendix II - functional wireframes - Mobile App and Website App UI for more detailed description of GUI elements.

### 3.5 Administration User Interface

The Administration interface is intended for use by authenticated system administrators at the LGA as well as nominated users within Councils.
For **System Administrator Users** the interface is intended to facilitate the upload of updated spatial layers, editing of Council attributes (ie: CAR email address) and other system configuration tasks.

**Council Administrator Users** will use the interface to configure home Page tiles and Council App links etc.

**General requirements of the Administration UI**

- **To be delivered in HTML 5 format to allow rescale of the screen contents according to the device screen width. Display to be compatible with the following browsers:**
  - Internet Explorer 8, 9 +
  - Mozilla
  - Safari
  - Chrome
  - Firefox

- Administration interface will require a secured system with security protocols in place to ensure privacy and confidentiality of data is not compromised ie: browser session to operate under HTTPS

- Login / logout page

- Login failure page with Retrieve Password option

**Data updates requirements (System Administrator Users):**

- Database management tools to allow the System Admin Users to update spatial layer files for individual Councils or State-wide layer files (in a clearly defined format). That is, the ability to upload spatial data from the commonly used GIS formats used ie: MapInfo and ESRI ArcGIS file that will update specific GIS layers in the system ie: Kerbside Collection areas, Development Zones, Wind speed zones.

- HD – The Administration interface must allow the Administrator User to shut off access to the My Local Services web services queries from third party applications in times of high system load to alleviate access issues for the official My Local Services App.

**Administration of Council attributes requirements:**

- **Ability for the Administrator User to configure:**
  - Council participation yes/no flag
  - Response message when a Mobile App or Web App user tries to query a non-participating Council ie: “no data available” or “coming soon” etc.
  - Create / update / save / archive or deactivate Council Administrator Users accounts
  - Resetting of login details (i.e. usernames and passwords)
Council Administration User requirements (App Configuration)

- Home screen configuration
  - ‘Spotlight’ tiles or icons configurable by the Council with a hyperlink to a special event or news item
  - Council logo / branding tile or icon configurable by the Council
- Council configurable App links
  - Ability for the Council to configure multiple links to other Council Apps including upload of a tile or icon associated with the App
- Council configurable Development Related links
  - Ability for the Council to configure multiple links to other development related content (URI's) ie: link to Development Plan, link to Planning page on the Council website
- HD – Push Notifications
  - The App should facilitate Push Notifications for Council Administration Users to configure a special message that is delivered to the Mobile App only. The notification may target users based on their Default Council Area set within the App's preferences/settings.
  - The message may include an icon/image and a URL link
  - The message may include a calendar entry ie: dog registrations due date - save to calendar yes/no?
  - Push Notifications will be automatically triggered in the following circumstances:
    - New News Object
    - New Event Object
    - Updated map layer it: kerbside collection boundary layer has been updated
- HD – Ability for Council Administration Users to view a map interface showing CAR submissions for their Council Area. Detail would be displayed and allow Councils to make edits to those records ie: ‘rectified issue’ or ‘complete’.
- HD – Ability for Public users to view a the map interface showing CAR submissions for their Council Area and vote on importance of CAR requests ie: allowing priority for action to be guided by public users

More detailed wireframes of the proposed Administration UI are contained in Appendix III - functional wireframes - Administration UI

3.5.1. Reporting User Interface

The Reporting UI will form part of the Administration UI and allow System Administrator Users to view the following reports:

- Ability to view a log of queries associated with Council areas to show where hits have come through for all Councils including non participating Councils ie: where a User has been served a “no data available” or “coming soon” message
- Ability to track usage of various datasets/applications ie: Kerbside Collection is more popular then parks nearby or libraries events nearby

3.6 Common Application Interfaces

The My Local Services Application consists of multiple interfaces and functional modules. **Diagram 1 (conceptual overview of proposed solution)** outlines the key elements that interrelate and underpin the system’s functionality.

We anticipate the following elements will be required:

- **Common Authentication Module** to allow login from System and Council Administrator users

- **Web service Calls for each Data Type**, that is standards based web services to respond to spatial queries ie: “my location is x,y - what is nearby?” or a so called point-in-polygon query.

- **Security/Authentication** layer to restrict Third-party App usage of exposed web services

- **Spatial Aware / Enabled Database** (discussed in 3.6.2)

- **Customer Action Request** (discussed in 3.6.3)

3.6.1. Authentication Module

The system will require a common **Authentication Module** to provide underlying support for **Council Administrator User** access to the system.

3.6.2. Web service Calls for each Data Type

The intention of the **My Local Services Application** is to implement an infrastructure that is open for Application developers to write their own solutions that leverage Local Government spatial data.

Initially the successful vendor will also build the end user **Mobile and Web Apps** that provide the user interface to that data. However the system will present the data for the Mobile and Web Apps using standards based web services to respond to spatial queries ie: “my location is x,y - what is nearby?” or a so called point-in-polygon query.

Potential vendors are asked to reference their preferred standard for the implementation of these Web services ie: Open Geospatial.\(^1\) and/or Open Data Protocol (oData), an open web protocol for querying and updating data over HTTP. This protocol provides simple access information from a variety of applications, services and stores, as well as a simplified means of filtering and ordering this data.\(^2\)

The successful vendor will provide an adequate level of documentation for Third-party developers which outlines fundamental details on:

- how to connect to the web service

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\(^1\) Refer to open Geospatial website [http://www.opengeospatial.org/](http://www.opengeospatial.org/) for possible standards

\(^2\) Refer to [http://www.odata.org/](http://www.odata.org/) for further information
• expected responses ie: error codes
• example demonstration code for simple post/response scenario

3.6.3. Security/Authentication
As described in 3.6.2 the intention of the My Local Services Application is to implement an infrastructure that is open for Application developers to write their own solutions that leverage Local Government spatial data.

The LGA is mindful however that a level of authentication / security should be considered in providing Third-party access to these Web services. As such, the vendor is asked to specify how a solution can be implemented whereby Third-party developers will need to be allowed access to the Web services.

This may be facilitated through the implementation of an API Key for instance, similar in concept to that provided by Google Maps API Key. Third-party App developers would need to be issued with a “key” for their application to leverage the web services.

3.6.4. Spatial Aware / Enabled Database
As outlined in Diagram 1 (conceptual overview of proposed solution) the Spatial Aware / Enabled Database will underpin the system’s functionality. It is anticipated the successful vendor will develop the detailed database schema/data model to accommodate various required functions as appropriate. The LGA have no preference for database platforms however upfront and ongoing costs are a key consideration from a project sustainability perspective. The vendor may leverage the spatial support in a standard SQL database like MS SQL Spatial Support or PostgreSQL’s PostGIS.

We anticipate the following elements will be required:
• User / role data schema: store all user related information
• DCW Metabase tables schema: to allow import of Metabase data
• Spatial layers schema: to manage import of layer files ie: Council boundaries, Kerbside Collection areas, Council Development Zones etc

The Mobile and Website App will need to render the results of more than one point-in-polygon query on the one screen ie: the Development scenario shown in Appendix II - functional wireframes - Mobile and Website App UI shows the results from the Development Zone layer and the Wind speed layer.

3.6.5. DCW Metabase
The Dynamic Council Websites (DCW) Metabase is a SQL database hosted by Deloitte On-line as part of the LGA’s DCW project.³

Data in this database is managed through a decentralised model, ie Council’s maintain their own data through their own instance of the Unity Content Management System which then populates the Metabase.

Each time a Council triggers a content deployment within their instance of Unity any changes to Metabase content is written to the LGA Metabase.

³ Refer http://www.lga.sa.gov.au/goto/dcw for more information
Further information on the Metabase can be found in Appendix IV - Dynamic Council Websites (DCW) Metabase

Extraction method

The successful vendor will need to extract the data from the Metabase using a ‘standard’ mechanism as agreed between the parties involved.

The extraction method for this project would need to be negotiated and agreed to by all parties as part of an engagement.

There are many methodologies for synchronisation as outlined in Microsoft’s developer centre.  As the data needs to only flow in one direction from the Metabase to a trusted vendor the LGA believes a simple low maintenance solution should be arrived at between the two parties.

Vendors are asked to specify their preferred method for this one way synchronisation to me implemented for consideration by the LGA and Deloitte Online.

3.6.6. Customer Action Request

The system will provide System Administrator User or Council Administrator Users the ability to configure an email address for delivery of CAR and other communications with Councils. The App will use a standard mailto: type function to invoke the device email client with attachments.

HD – Additional functionality the LGA foresees in the development of the CAR component will be to route CAR records through the My Local Services Application itself providing the ability to:

• Report on CAR frequency and type
• Format CAR into structured XML according to a state-wide standard (yet to be defined)

The architecture of the CAR function should be informed by this future requirement.

3.7 Application hosting

It is anticipated the successful vendor will recommend appropriate application hosting services for the system.

General requirements for the Application hosting are:

• Cloud based technology
• Resilient and scalable platform able to cope with high demand
• Secure, flexible and configurable web server and associated components to provide the required access to the Users.
• Access to backend databases or other services by the LGA under known conditions

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• The LGA believes there would be minimal impact if the application was unavailable for 1 or 2 hours during a 7 day week outside of 8am to 6pm on a weekend for instance for the purpose of performing upgrades etc.

• The current data storage size for SA Council Maps is 4GB in MapInfo vector layers. The Metabase MS SQL Server .bak database file is 2GB. Storage requirements should plan for 2 new layers a year. e.g. allow 200 Mb or 1Gb at the most per annum growth in data storage.

3.7.1. Application load and performance requirements

• The system will accommodate up to 1000 authenticated users as outlined in 3.3 System user classes

• HD – The system must support up to 500 concurrent public users of the App itself

• The target minimum availability threshold for the My Local Services Application is 98%

• Overall performance is our key criteria.

• If a mobile or desktop user could not access the application and get a result from a search query (in South Australia metropolitan and regional areas) within an average of 4 seconds then we would deem the performance unacceptable.

• The system must implement alerting and monitoring of system availability

4. Test environment

It is anticipated the successful vendor will provide a test environment where all functions can be tested in order to verify functionality.

This environment could also be used to verify additional functionality as subsequent stages of the project are developed before deploying the application upgrades to the production environment.

5. Value-add propositions

Respondents are asked to address the following value-add propositions:

Provision of a ‘branding’ concept:

• Currently the proposed solution is being termed as a My Local Services App. The LGA is looking to establish a specific brand associated with its development and release.

• The Respondents are asked to outline any value added services which they can contribute to assist in branding the proposed solution.

6. Technical Scope and Features

• The Respondents are asked to provide evidence of their solution in terms of the
extent of its technical scope and features.

- The Respondents are asked to provide evidence of their solution in terms of its technical infrastructure and architecture.
- The Respondents are asked to provide evidence of their solution in terms of its minimum systems requirements.
- The Respondents are asked to provide evidence of their solution in terms of facilitating access to other third party maintained data sources.
- The Respondents are asked to provide evidence of their Hosting arrangements (i.e. Datacentre and standards and protocols in place).
- The Respondents are asked to provide evidence of their Technical Support Services (i.e. Security; Backup; Disaster Recovery; Server Maintenance and Licensing).

7. Initial project schedule

Respondents are asked to provide an initial project schedule that details the stages in the application’s development and outlines timelines etc.

8. Cost for the development, hosting and ongoing maintenance

Respondents are asked to provide a cost model (e.g. perpetual licence, annual licence, subscription based, etc.) specifically:

- Cost of development
- Cost of hosting
- Cost of ongoing support and maintenance
- Cost of third party licences (if applicable) ie: MS SQL Server, OS, etc

9. System security

A security infrastructure plan will be required to be provided to the LGA to demonstrate the security of the system.

10. Disaster recovery plan

The successful vendor must provide the LGA with its own Disaster Recovery Plan and describe how the LGA and participant Councils will be protected by this plan.
11. **Deployment plan**

The successful vendor will develop a detailed deployment plan as part of the project's implementation.

12. **Software development approach**

The LGA understands there are generally two methods of software development:
- Waterfall approach
- Agile approach

We realise some projects benefit from a combination of each.

The respondent is asked to recommend a proposed software development approach.

The LGA reserves the right to discuss and decide the method of software development early during the planning stages.

13. **Test plan**

In consultation with the LGA, the successful vendor will develop a detailed test plan as part of the project’s implementation.

14. **Other Relevant Criteria / Standards**

14.1.1. App Store Review

The successful vendor will ensure the My Local Services iOS App will achieve successful review via the App Store Review Guidelines.  

The vendor will also ensure the My Local Services iOS App is available via the iTunes Store.

14.1.2. Google Play Store

The successful vendor will ensure the My Local Services Android App is available via the Google play Store.

15. **Ownership of Intellectual Property**

The LGA has been successful in obtaining funding from the Local Government Research & Development Scheme [http://www.lga.sa.gov.au/site/page.cfm?u=276](http://www.lga.sa.gov.au/site/page.cfm?u=276) for this initiative therefore the following provisions in relation to Intellectual Property will apply.

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8. Ownership of Intellectual Property

(a) Where the LGR&DS funds constitute the sole funding source for the conduct of the Project:

It will be a term of the funding grant that the Recipient of the grant agrees that all intellectual property developed by or on behalf of the Recipient during, or for purposes of, the Project (Project IP) will be owned by the Recipient subject to:

(i) the Recipient using (including sub-licensing others to use) the Project IP for purposes, or for the advancement of the interests, of South Australian Local Governments and their constituents (which use shall exclude use for commercial reward);

(ii) the Local Government Association of South Australia (LGA) having a royalty free, irrevocable, perpetual, non-exclusive licence to use the Project IP for the purposes of the LGA or for the purposes, or for the advancement of the interests, of South Australian Local Governments and their constituents (including sub-licensing others to use that Project IP solely for that purpose);

and the Recipient doing all things necessary to:

(iii) vest ownership of all Project IP in the Recipient as required by (i) and (ii) above; and

(iv) enable the LGA to exercise the rights conferred under (i) and (ii) above.

(b) Where the LGR&DS funds do not constitute the sole funding source for the conduct of the Project but are augmented with funds from other funding bodies

It will be a term of the funding grant that the Recipient consents in writing, and obtains the prior acknowledgment and consent in writing from all other funding bodies, that in consideration of the funding contribution from LGR&DS to the Project, each agrees that:

(i) all intellectual property developed during, or for purposes of, the project that is being undertaken with LGR&DS funding (Project IP) will be subject to the grant of a royalty free, irrevocable, perpetual, non-exclusive licence for the Local Government Association of South Australia (LGA) to use the Project IP for the purposes of the LGA or for the purposes, or for the advancement of the interests, of South Australian Local Governments and their constituents (including sub-licensing others to use that Project IP solely for that purpose);

(ii) the Recipient and each of those bodies will do all things necessary to enable the LGA to exercise the rights conferred under (i) above; and

(iii) the Project IP will not be used for commercial reward except on terms to be approved in writing by the LGR&DS (which terms may include payment).

(c) Where use for commercial reward of the relevant intellectual property is contemplated by the Recipient of the LGR&DS funding.

It will be a term of the funding grant that any use of the intellectual property developed during, or for purposes of, the Project (Project IP) for commercial reward will be subject to the consent in writing of, and on terms (which may include payment) to be approved by, the LGR&DS on a case by case basis.