

# Cluster Collaborative Project Methodology

## 1. Overview

The Health IT Cluster was formed in order to promote the growth and profitability of the New Zealand health IT sector. The strategy of the Cluster has two broad objectives:

- To facilitate the building of innovative and collaborative solutions to be deployed into the New Zealand market; and
- To support members in taking these collaborative solutions, as well as their individual solutions to the global marketplace.

The Cluster is well positioned to develop and oversee collaborative projects:

- It is neutral and independent;
- It has proven structures and frameworks for undertaking collaborative projects;
- It has access to a variety of funding sources; and
- It is increasingly well respected in the vendor, user and policy making communities

In order to meet the first objective of this strategy, the Cluster has created an equitable and repeatable process that enables the promotion, selection, initiation and management of collaborative projects. Within this methodology, each project phase needs to have defined outputs and a decision point to confirm that the project should proceed to the next stage.

Projects ideas will be canvassed from members and from the wider user community. The Cluster website and other forms of internal and external marketing will be used to promote the opportunity to utilise the Cluster for collaborative projects. An initial concept registration form is accessible on the website.

The Cluster Management Team with support from the Board will be responsible for agreeing which concepts should be supported, with particular recognition of the importance of alignment with HIS-NZ and HISAC. The Cluster will then invoke a Registration of Interest process in order to provide members with the opportunity to express their desire to be involved in the project, the role(s) they seek within the project team, and the capabilities they will provide. Based upon the responses, the project team roles will be assigned, gaps identified, and potential conflicts addressed. The original promoter of the concept will have a preferred status for the lead role, but other organisations may be considered if the core requirements of the Lead are not met by the originating company.

Cluster members and user organisations are encouraged to identify opportunities for collaborative projects that they wish to champion. When an organisation wishes to initiate

a collaborative project they should complete a project concept document and send it to the Cluster Programme Manager for discussion. To support a project concept they should also provide a description of the capabilities their organisation will provide and the resources and funding they are willing to commit to the project. Cluster membership is mandatory for all vendors participating in Cluster projects.

## **2. The Role of the Cluster in Projects**

The Cluster will:

- Market their collaborative project role
- Facilitate the development of project concepts, particularly those aligned with HIS-NZ and HISAC objectives.
- Provide brokering services to create appropriate alliances and collaborations to develop projects
- Manage the Registration of Interest process
- Manage the application for government or sector funding
- Handle public relations for the project consortium
- Meet the reporting requirements of external funding agencies
- Provide project governance and project directorship
- Provide the contractual framework for the project participants
- Impartially manage any disputes between parties

## **3. Solution Concept.**

A copy of the Solution Concept template is included here to facilitate the documentation of ideas to facilitate the development of collaborative project concepts.

## **4. Project Team Roles**

We have included the key roles and associated capabilities that we have identified as being necessary to make up a successful project team. Project teams will be assembled from Cluster members that have registered their interest. Where the registrations of interest have not filled all the project roles other organisations may be invited to participate.

## **5. Registration of Interest Process.**

We have included a copy of the Registration of Interest template and the evaluation criteria so that organisations wishing to register their interest in a collaborative project can complete the template and have visibility of the evaluation criteria. The evaluation will be undertaken by the project evaluation committee consisting of the Cluster CEO and Programme Manager, and two members of the Executive representing organisations that have not registered their interest in the project and that are willing to forgo rights of further involvement.

Once the evaluations are complete, the organisations that registered their interest will be notified of the results. Where several registrations of interest have offered similar capabilities, a more detailed evaluation will be undertaken to select the optimal solution to meet the business requirements. Candidate organisations may be asked to provide additional information or make presentations to the evaluation committee.

Agreeing a project concept and assembling the project team does not guarantee that a project will proceed. Detailed work on scoping, planning, funding, governance and contractual frameworks will all need to be concluded prior to a project kick-off.



*The New Zealand Health IT Cluster Inc  
Level 7, City Chambers, Cnr Featherston & Johnston Streets  
P O Box 25 233, Panama Street, Wellington  
Phone 04 472 4691 Fax 04 472 4736*

# **Solution Concept**

**For**

**<Solution name>**

**<Date created>**

**<Author Name>**

**<Author organisation>**

<The blue text contains guidelines on how to complete the sections of the document. Either delete the instruction text or format the style to hide the instruction text.>

# 1. Business Requirements

Describe why the solution is required and the ultimate value it will provide, both to the business and to customers.>

## ***Background***

<Summarise the rationale for the new solution. Provide a general description of the context that leads to the recognition that this solution should be built.>

## ***Problem statement***

<Describe the business problem that is being solved. Describe the market in which solution will operate, the needs of typical customers or market segments. Describe problems customers currently encounter that the new solution will (or will not) address and how the solution would be used by customers. Define at a high level any known critical interface or performance requirements. Put the solution in the context of HIS-NZ and specifically one or more of the 12 Action Zones (if relevant).

## ***Business Objectives and Success Criteria***

<Define the key objectives of the solution in a way that is quantitative and measurable. This could include; clinical outcomes, estimates of revenue or cost savings, return on investment analysis, or target release dates. >

## **Vision of the Solution**

<Provide a long-term vision to address the business objectives. >

## ***Major Features***

<Include a list of the major features of the new solution, emphasising those features that distinguish it from previous or competing solutions.

## ***Research and Development Component***

<Identify the parts of the solution that will need to be developed specifically for this solution. Identify the value to the participating organisations that they should get from being involved in the development of this solution.

## ***Interested Organisations***

The following organisations, including the sponsoring organisation, have shown an interest in collaborating in the development of this solution.

Organisation	Role

## ***Environment***

<List other issues, such as upcoming legislation or regulatory changes, relevant international standards or other initiatives currently underway.>

## Project Team Roles

Once a solution concept has been agreed by the Cluster Board as being appropriate to support, the next stage is to establish a project. Several key roles have been identified as being necessary to make up a successful collaborative project team. Identifying which of the key project team roles can be undertaken by the parties is the responsibility of the Cluster and starts with the Registration of Interest process. An outline of the solution concept will be posted on the web-site and members asked to indicate their interest in participating in the development project. To indicate its interest, an organisation completes the Registration of Interest form, providing details of the capabilities that it can offer and the role it seeks to play.

Where one or more key project roles has not been filled by the registrations of interest, other organisations within the Cluster (or exceptionally outside of the Cluster membership) may be invited to participate to fulfil specific project roles.

Role	Description
Project governance, project directorship, funding and contractual framework	The Cluster will provide project governance, the project contractual framework, and overall project directorship. The Cluster will also manage the application process for government funding and sector funding, the reporting, and public relations.
Lead Partner	The Lead Partner will be a vendor with capability to invest in the solution development and taking it to offshore markets. The Lead Partner will likely contribute a solution, project resources and possibly project management expertise.
Support Partner	The Support Partner will need to have the capability to contribute expertise and resources to the project such as business analysis and solution architecture. This role is likely to be assumed by an organisation that can assist with channels to overseas markets for the lead partner and other participants in the project. The support partner may contribute a solution, hardware, integration services and possibly project management expertise.
Customer	This organisation will utilise the solution being developed by the project team. The customer must be able to contribute funding and/or resources to the project, and willing to act as a reference point post-project.
Systems Integrator	If not already offered by another participant, business and systems integration services will be required. The Systems Integrator may also provide project management expertise.
Solution component suppliers	These project team members will have an existing solution that they will be looking to contribute to the project. There could be several project team members with similar solution components and a detailed evaluation of may need to be undertaken once the requirements and preferred architecture have been defined to determine which solutions most closely match the requirements.
Infrastructure	The solution may require infrastructure either located in the customer premises or hosting capacity. The required infrastructure could be IP networks, mobile devices as well as servers.
Measurement and research.	The project will ideally be measured to ensure that the success criteria are achieved and the benefits are quantified.



## Solution Concept for <Solution Name>

### Registration of Interest.

The New Zealand Health IT Cluster invites you to register your interest to participate in the collaborative project the aim of which will be to develop the solution described in the Solution Concept set out below.

Please complete this form and return it to John Tailby  
[j.tailby@healthit.org.nz](mailto:j.tailby@healthit.org.nz) Phone (04) 472 4691

### Registrations due by: <Closing Date>

#### Company / organisational details

Name and position of person completing the expression of interest	
Brief company overview  Please also describe if you have any existing relationships with other vendors, clients or funding agencies that will assist the development of this solution.	

#### Nature of current products and services

Brief overview
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#### How the product(s) or services align with the solution

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### **Role the organisations seek within the project**

Please describe which of the collaborative project roles described in the Cluster Project Methodology your organisation would seek to undertake. Please detail the capabilities you would provide in that role.

### **Ability and authority to provide resources and funding to the project**

### **Please describe any ongoing interest your organisation would have in this project**

For example; do expect to develop IP that you would then wish to retain or share ownership of?

## Project Team Member Evaluation Criteria

To ensure that the evaluations of the Registrations of Interest are fair and equitable, responses are assessed against a number of criteria. The initial list of criteria is outlined below.

The evaluation criteria are used to determine which project team roles the responders' are likely to be offered and where two or more responders have overlapping areas of interest which response will be given precedence. Nominees may be asked to make further submissions or to undertake presentations to the Cluster management team.

Criteria	Assessment criteria
Capability / Size	Does the responding organisation have the capability to complete their desired role in the project?
Finances	Can the company contribute resources and funding to the project?
Expectations	What are the organisations expectations?
Decision making capability	Can the person who completed the Registration of Interest for commit the organisation to the project and can the organisation make decisions in a timely manner?
Value add	Does the organisation provide a point of difference or other unique offering that will add value to the proposed project?
Customer contacts	Does the organisation have any relevant relationships with organisations that might become the customer for the project or for subsequent sales? Can the organisation provide access to international markets?
Relationship with other Cluster members	Does the organisation have an existing working relationship with other members of the project team or a history of working in partnership with other organisations?

## Cluster Project Phases

### 1. Concept Phase

The objective of this phase is to identify the opportunity, assemble the initial project team and identify the customer and funding sources needed to initiate the project.

The concept phase is complete when the project roles and responsibilities have been confirmed, the customer(s) site(s) identified and funding for the feasibility study is approved if required. The key tasks include:

- **Opportunity inception**
- **Develop Solution Concept**
- **Registration of interest**

### 2. Initiation Phase

During the initiation phase the solution scope is defined and framed in a development project, most commonly based on a pilot implementation. The initiation phase is complete when:

The feasibility study has confirmed the viability of the solution,

The contracts for the solution delivery are finalised,

The funding for the execution of the project is approved.

The key tasks include:

- **Project feasibility study**
  - *Establish initial contractual framework including treatment of IP.*
  - *Develop project scope*
  - *Determine solution architecture*
- **Solution design**
- **Project management documentation**
- **Funding agreement**

### 3. Development Phase.

In the development phase the solution is designed in detail, built, tested and installed in the initial customer site, the solution benefits are then measured and analysed. (There may be occasions where the solution is not immediately implemented in a client site, but installed in a Laboratory environment). Once the benefits accrued from implementing the solution have been assessed, the project can be completed and closed down; with a case study prepared, published, and widely promoted.

The key tasks include:

- **Detailed design**
- **Development**
- **Testing**
- **Documentation and user training**
- **Develop evaluation and measurement plan**
- **Deploy solution into customer/trial site**
- **Undertake solution evaluation**
- **Project Closure activities**



- *Prepare and publish case study*
- *Close project*

Any Commercial opportunities that arise from participation and engagement in collaborative projects, will be up to individual participants to pursue.