Digital Capability Locator

Agile Business Requirements

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Table of Contents

Discl	aime	r & Copyright	2
1.	Audi	ience	4
2.	Intro	oduction	5
2.1	Ον	/erview	5
2.2	De	escription of Actors	6
2.3	Ke	ey Definitions	9
3.	Epic	Value Statements	10
3.1	EF	PIC 001 - Lookup Participant's Digital Capability Address	10
3	2.1.1	User Stories	11
3.2	EF	PIC 002 - Maintain Participant's Digital Capability Address	13
3	2.2.1	User Stories	13
3.3	EF	PIC 003 - Lookup Accredited Service Provider Information	16
3	2.3.1	User Stories	17
3.4	EF	PIC 004 - Maintain Accredited Service Provider Information	19
3	2.4.1	User Stories	19
3.5	EF	PIC 005 - On-boarding of a large number of participants	24
3	2.5.1	User Stories Error! Bookmark not o	lefined.
3.6	EF	PIC 006 - Support and Maintain the Digital Capability Locator	25
3	2.6.1	User Stories	26
3.7	EF	PIC 007 - Enabling for interoperability testing	27
3	2.7.1	User Stories	27
Pofo	anca		20

1. Audience

The intended primary audiences for this discussion paper are the Council and its Working Groups. This discussion paper may also be of interest to partner initiatives operating within both the public and private sectors.

DCL WORKING GROUP SOL		LUTION IMPLEME	NTER	SOLUTION OPERATOR		
Those involved in the DCL Implementation Working Group.	desigr impler	e party responsible for signing, building and blementing the Digital pability Locator Solution.			• •	
Audience Reading Guide			(
		DCL WORKING GROUP	SOLUTION IMPLEMENTER		SOLUTION OPERATOR	
Introduction 3						
Epic Value Statements 4						
References	5					

Primary Audience Secondary Audience

Introduction

2.1 Overview

The Digital Business Council (Council) provides a framework for interoperability in digital business, expressed as a set of technical specifications (Profiles) and usage guidelines (Implementation Guides). Profiles and Implementation Guides are designed to facilitate effective business based on a modular approach for implementation, with a focus on global interoperability.

Council Profiles can be seen as 'agreements' on message contents and business processes. The profile descriptions focus on the core information elements that typically cater to the majority of user requirements applicable across Australia and lower the need for detailed bilateral agreements between the trading partners.

The Digital Capability Locator (DCL) is used by Access Points to enable the elnvoicing process. Figure 1 highlights the role of the DCL within the standard four-corner model.

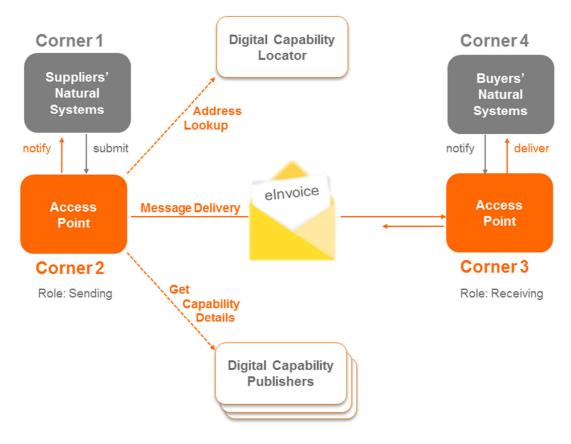


Figure 1 Four-corner model

The Digital Capability Locator and Digital Capability Publisher are needed for an Access Point to determine the destination of a message in a dynamic environment. The Digital Capability Locator is a mapping of participant identifiers to the digital address of the participant's Digital Capability Publisher.

The Digital Capability Locator Implementation Guide (Digital Business Council, 2016b) incorporates the Council's Metadata Service Location Profile which describes a technical

specification for the automated lookup of digital address information for a participant's capability metadata. The profile is based on the OASIS Business Document Metadata Service Location Committee Specification Version 01 (OASIS, 2014) which standardises retrieval of information about a participant's digital address. The specification is based on the successful implementation within the PEPPOL program.

The Digital Capability Locator Implementation Guide provides further guidance for service consumers, specifically in relation to the management of participant and Digital Capability Publisher information stored in the Digital Capability Locator.

A single, centralised Digital Capability Locator will exist in a four-corner model and MUST implement the Council's profile.

This document provides the high-level business requirements for the Digital Capability Locator in the format of Agile Epics. Most Epics have a direct reference back to the Council's interoperability Framework and specifically the Digital Capability Locator Implementation Guide.

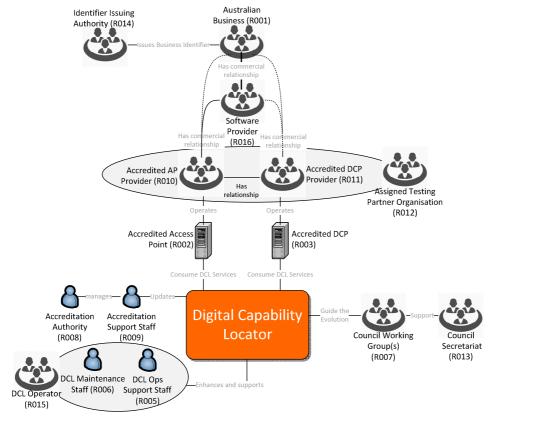
2.2 Description of Actors

The following table contains descriptions of the key actors (natural persons, organisations and systems) referenced in this document.

ID	Actor/Role	Category	Description
R001	Australian Business	Organisation	Synonyms - Participant
R002	Accredited Access Point (AP)	System	A software system offering Access Point Services that has been tested and accredited in accordance with the Council's Interoperability Framework. Synonyms – Access Point
R003	Accredited Digital Capability Publisher (DCP)	System	A software system offering DCP services that has been tested and accredited in accordance with the Council's Interoperability Framework. Synonyms – Digital Capability Publisher
R004	Digital Capability Locator (DCL)	System	Described by this document.
R005	DCL Operations Support Staff	Natural Person	Staff who support the day to day operations of the DCL. This includes responding to queries and operational issues.

R006	DCL Maintenance Staff	Natural Person	Staff who maintain (build, test and deploy) changes and enhancements to the DCL.
R007	DBC Technical Working Group	Forum	The Council's Working Group responsible for the creation of the framework's technical design and supporting Implementation Guides.
R008	Accreditation Authority	Natural Person	An individual with the delegation to issue, suspend or revoke an organisation's accreditation.
R009	Accreditation Support Staff	Natural Person	A staff member who supports the Accreditation Authority to fulfil its duties,
R010	Accredited Access Point Provider	Organisation	The organisation/legal entity which operates an Accredited Access Point – R002. Synonyms – Accredited Service Provider
R011	Accredited Digital Capability Publisher Provider	Organisation	The organisation/legal entity which operates an Accredited Digital Capability Publisher – R003. Synonyms – Accredited Service Provider
R012	Assigned Testing Partner Organisation.	Organisation	Any Accredited Service Provider (R010 & R011) assigned to support interoperability testing.
R013	DBC Secretariat	Organisation	Provides a mechanism to clarify testing problems and facilitates dispute resolution.
R014	Identifier Issuing Authority	Organisation	ABR, GS1, Dun and Bradstreet
R015	DCL Operator	Organisation	The organisation that runs, operates and maintains the DCL.

Figure 2 shows the relationship between the key actors and the Digital Capability Locator:



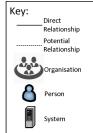


Figure 2. DCL Key Actors and Resltionships

2.3 Key Definitions

The following table contains a definition of key terms used throughout this document.

Term	Definition
Accreditation	Accreditation is a process by which an Access Point Provider or a Digital Capability Publisher Service Provider is recognised by the Digital Business Council (Council) as having met certain technical criteria. It should be noted that accreditation is mandatory for a Service Provider (Access Point or Digital Capability Publisher) if it intends to provide services under the Council's Framework.
Accredited Service Provider	An organisation who has been accredited to operate in accordance with the elnvoicing Interoperability Framework. (Refer section 2.2 R010 or R011)
Anonymous	Anonymous, in a general computing context, means keeping a user's name and identity concealed through various applications.
Application Programming Interface (API)	Just as a graphical user interface makes it easier for people to use programs, application programming interfaces make it easier for developers to use certain technologies in building applications through abstraction of the underlying implementation and exposure of only the objects or actions the developer needs.
Business	An enterprise conducting economic activity.
Conformance	Compliance with standards, rules, or laws.
Digital Capability Address	The address of a participant's Digital Capability Publisher
Epic	A common term used in Agile software development techniques. Epics are feature-level work that encompasses many user stories.
Participant	The generic term to represent a consumer of elnvoicing or eDelivery services offered by Accredited Service Providers (R002 & R003). In the context of elnvoicing the participant would be a Business. For eBilling the participant may be either a business or an individual.
User Story	A user story is a tool used in Agile software development to capture a description of a software feature from an end-user perspective. The user story describes the type of user, what they want and why. A user story helps to create a simplified description of a requirement.

3. Epic Value Statements

Epic Value Statements provide the high-level functional scope of the Digital Capability Locator. These Epics refer heavily to the Digital Business Council's (the Council) Implementation Guides and to the International Standards that underpin those IGs.

In addition to the introductory information provided in the previous section, the reader should ensure that they are adequately familiar with the Council's Interoperability Framework (Digital Business Council, 2016a) and companion documentation, specifically the Implementation Guides.

The following table provides an initial list of the Epics that have been identified for the Digital Capability Locator:

Epic ID	Title	Epic Status	User Stories Status
EPIC 001	Lookup Participant's Digital Capability Address	Approved	Draft
EPIC 002	Maintain Participant's Digital Capability Address	Approved	Draft
EPIC 003	Lookup Accredited Service Provider Information	Approved	Draft
EPIC 004	Maintain Accredited Service Provider Information	Approved	Draft
EPIC 005	On-boarding a large number of participants	Approved – Out of Scope	n/a
EPIC 006	Support and Maintain the Digital Capability Locator	Approved	Draft
EPIC 007	Enabling Interoperability Testing	Approved	Draft

3.1 EPIC 001 - Lookup Participant's Digital Capability Address

Epic Value Statement					
For	Accredited Access Points (R002)				
Who	Send messages on behalf of Australian businesses (R001)				
the	Digital Capability Locator (R004)				
ls a	Trusted source of digital capability address records				

That	Support the dynamic discovery of digital capability metadata
Unlike	SuperStream Fund Validation Service
Our solution	Is publicly accessible to anonymous users and is extensible to support multiple identifier schemes. (Digital Business Council, 2016c)
	Scope
Success Criteria	 Digital Capability Address Records can be retrieved from the solution in line with the Quality of Service Requirements.
In scope	 Conformance with section 7 and sub-section 8.1 of the Digital Business Council DCL Implementation Guide. (Digital Business Council, 2016b)
Out of scope	Maintenance of digital capability address records
Quality of Service Requirements	In addition to the general QoS requirements outlined in the DCL Quality of Service Requirements document, the following apply to this EPIC and its sub-ordinate User Stories: Standards Conformance: OASIS BDX-Location Specification. (OASIS, 2014)

3.1.1 User Stories

The following User Stories have been identified for Epic001. The DCL Working Group has undertaken initial prioritisation and higher priority stories have been elaborated to support initial release planning. It is anticipated that other stories will be elaborated on a just-in-time basis.

ID	26	Priority	1	Size	1	
Title	As an Access Point	I can access the Dig	ital Capability Addres	s of a participant.		
Description	participant's digital of the Lookup function response structure identified using a variant of the control of th	In accordance with the Council's DCL Implementation Guide an Access Point can look up a participant's digital capability address (DCP address). The Lookup functionality must conform to the BDX-Location specification, including request and response structures, and Section 8.1 of the DCL Implementation Guide. The participant must be identified using a valid identifier type as authorised by the Digital Business Council's policy on the use of business identifiers.				
Acceptance	Request format:					
Criteria	The request must be structured in accordance with sub-section 7.2 and 7.3 of the DCL Implementation Guide. B- <hash id="" over="" participant="">.<digital-capability-locator-domain-name></digital-capability-locator-domain-name></hash>					
	Response Format:					
	• The URI		tly formatted U-NAPT NAPTR record will o		uncil's profile of the	
	Quality of Service	Quality of Service				
	 Availability 	Uptime Target: 1009	%			

- Availability Window: 24 hrs x 365 days
- Performance Avg Concurrent Requests: TBA
- Performance Peak Concurrent Requests: TBA
- Performance Average Response Time: 200ms
- Recovery Time Objective: TBARecovery Point Objective: TBA
- Security: DNSSEC is not supported in the .AU region.

ID	36	Priority	4	Size	1
Title	As an Access Poin Address	t may I need to know	v the maximum time	to cache (DNS TTL)	a participant's DCP
Description	The DCL solution will be configurable to allow the DCL operator to specify a default TTL value that will apply to any new or updated UNAPTR records.				
Acceptance Criteria	value;		returned with a Time	, ,	ed on the configured

ID	24	Priority	1	Size	3
Title	As an Access Point	As an Access Point I need to validate the Authenticity of the DCL.			
Description	An access point must be able to determine that information has been provided by the DCL and not an unauthorised third-party. In relation to the DCL's Participant Lookup (DNS) service this requires that all participant DNS records are stored under a single, well known domain nam.				
Acceptance Criteria	DNS Own	ership records must	er an agreed domain r clearly reflect the rel usiness Council or AT	ationship between th	e DNS name and a

3.2 EPIC 002 - Maintain Participant's Digital Capability Address

	Epic Value Statement
For	Accredited Digital Capability Publishers (R003)
Who	Are authorised (through a commercial arrangement) to maintain digital capability information for an Australian business (R001)
the	Digital Capability Locator (R004)
ls a	Suite of Application Programming Interfaces (APIs)
That	Enable the secure creation and deletion of participant digital capability address records.
Unlike	-
Our solution	-
	Scope
Success Criteria	 Accredited Digital Capability Publishers (R003) can create a new participant digital capability address record. Accredited Digital Capability Publishers (R003) can update an existing participant digital capability address record. Accredited Digital Capability Publishers (R003) can delete(end-date) an existing participant digital capability address record.
In scope	 Conformance with the Application Programming Interface definitions defined in sub-sections 8.2 and 8.3 of the Digital Business Council DCL Implementation Guide. (Digital Business Council, 2016b) Creation and Deletion of a Digital Address Record to enable Epic 001 - Lookup Participant's Digital Address. Maintaining a history of record updates for audit and administrative purposes.
Out of scope	Accreditation Processes
Quality of Service Requirements	In addition to the general QoS requirements outlined in the DCL Quality of Service Requirements document, the following apply to this EPIC and its sub-ordinate User Stories: Standards Conformance: Australian Government's Digital Service Standard and API
	Implementation Guide. <insert http="" ieft="" reference="" rfc="" to=""></insert>

3.2.1 User Stories

The following User Stories have been identified for Epic002. The DCL Working Group has undertaken initial prioritisation and higher priority stories have been elaborated to support initial release planning. It is anticipated that other stories will be elaborated on a just-in-time basis.

ID	42 Priority	1	Size	3
Title	As a Digital Capability Publisher	I can add a relationship b	petween a participant and	my DCP
Description	The Digital Capability Publishe existing relationship. This action with sub-section 8.3.1 of the Dig	n will be triggered via a R	EST/JSON or REST/XMI	1
	The expected end result for a participant.	successful "Add" operati	on is a new DNS U-NA	PTR record for the
Acceptance	Business Rules:			
Criteria	 The participant identifier soll Policy on the use of business. The participant Identifier must. The DCP must have a currer. A DCP can only add a participant must not have a participant must not have a participant must not have a participant must. If no Relationship Start Date (Canberra Australia). Error conditions return the Implementation Guide. HTTP 500 level errors retworkings or configuration of 	es identifiers. Ist meet the structural form Int status of "Accredited". Cipant for their own DCP. Inve an active relationship The is specified then the relation of the corresponding error mestern a sanitised error research.	mat requirements of the ic with another DCP. If the lationship will commence sages defined in Section	dentifier scheme. ey do then an error on the current date 8.3.1.8 of the DCL
	Quality of Service Criteria:			
	Performance - AverageRecovery Time ObjectiveRecovery Point Objective	hrs x 365 days current Requests: TBA cucurrent Requests: TBA Response Time: >1s (five: 4 hours	·	

ID	43	Priority	1	Size	2	
Title	As a Digital Capabi and my DCP.	As a Digital Capability Publisher I can delete (end-date) an existing relationship between a participant and my DCP.				
Description			existing relationship			
		riggered via a REST/ illity Locator Impleme	JSON or REST/XML entation Guide.	API in accordance w	ith sub-section 8.3.2	
Acceptance	Business Rules:					
Criteria	own service pro	•	only end-date are related.	ationship between a	participant and their	

- If no end date-time is specified then the current date-time (Canberra ACT) is used.
- If the end date-time has occurred/past then the DNS UNAPTR record is marked for deletion ASAP.

Quality of Service

• Availability Uptime Target: 99.98%

• Availability Window: 24 hrs x 365 days

Performance - Avg Concurrent Requests: TBAPerformance - Peak Concurrent Requests: TBA

Performance - Average Response Time: 1s

Recovery Time Objective: 4 hoursRecovery Point Objective: 10 minutes

Security: TLS 1.2 Mutual (Client and Server) Certificate Authentication

ID	Priority 1 Size 8
Title	As an authorised Digital Capability Publisher I can update a participant record to point to my DCP so that a business can seamlessly transition between service providers.
Description	This is a new business process and is expected to be defined on early in 2017 An accredited DCP (gaining DCP) can update a relationship between an existing DCP and a participant identifier to logically replace the existing DCP Address with it's own address. This action will be triggered via a REST/JSON or REST/XML API that will be similar in nature to the APIs currently documented in the Digital Capability Locator Implementation Guide. It is anticipated that this User Story will result in a non-breaking change to the Digital Capability Locator Implementation Guide to include the new API definition
Acceptance	Business Rules:
Criteria	 Subject to agreement on Business Process by the DCL Working Group. A gaining DCP must pre notify the losing DCP of the transition and submit the confirmation/acknowledgement with the update request to the DCL. The existing relationship is not deleted, but rather end-dated. The update request can submit a future date time for the update to take effect so long as it is less that 30 days from the original notification to the existing DCP.
	Quality of Service
	 Availability Uptime Target: 99.98% Availability Window: 24 hrs x 365 days Performance - Avg Concurrent Requests: TBA Performance - Peak Concurrent Requests: TBA Performance - Average Response Time: 3s Recovery Time Objective: 4 hours Recovery Point Objective: 10 minutes Security: TLS 1.2 Mutual (Client and Server) Certificate Authentication

ID	24	Priority	1	Size	3
Title	As an Access Point	I need to validate the	e Authenticity of the D	OCL.	

Description	An access point must be able to determine that information has been provided by the DCL and not an unauthorised third-party. In relation to the DCL's Participant Lookup (DNS) service this requires that all participant DNS records are stored under a single, well known domain name.
	In relation to all other DCL lookup and maintenance services, TLS 1.2 must be used and the certificate must be issued by a reputable Certificate Authority and the Common Name must reference the DCL's well known, fully qualified domain name.
Acceptance Criteria	The DCL DNS is exposed under an agreed domain name;

3.3 EPIC 003 - Lookup Accredited Service Provider Information

	Epic Value Statement
For	Accredited Access Points (R002) and/or Accredited Digital Capability Publishers (R003)
Who	Need to obtain information about other Accredited Service Providers (R002 & R003)
the	Digital Capability Locator (R004)
ls a	Repository of Accredited Provider Public Identity Information
That	Enables Accredited Providers (R002 & R003) to confirm the status and identity of other Accredited Providers (R002 & R003)
Unlike	-
Our solution	-
	Scope
Success Criteria	 Accredited Service Providers (R002 & R003) can look up the identity information for another Accredited Service Provider (R002 & R003), including current accreditation status.
In scope	 Retrieval of Accredited Service Provider Information in conformance with the Application Programming Interface definitions defined in sections 8.4.2 and 8.4.3 of the Digital Business Council DCL Implementation Guide. (Digital Business Council, 2016b)
Out of scope	Accreditation Testing and Legal Frameworks.Integration with Whole of Government Identity Initiatives.
Quality of Service Requirements	Security: Compliance with the Information Security Manual and all relevant ASD specified controls. (Australian Signals Directorate, 2016)

3.3.1 User Stories

The following User Stories have been identified for this Epic. The DCL Working Group has undertaken initial prioritisation and higher priority stories have been elaborated to support initial release planning. It is anticipated that other stories will be elaborated on a just-in-time basis.

ID	27	Priority	1	Size	2	
Title	As an Access Point	l can lookup Accredi	ted Service Provider	Information		
Description	Any accredited servincludes:	rice provider can loc	ok up another accred	dited service provider	r's information. This	
	MetadataService Provide	r ID				
	Trading NameContact EmailURL (for registre	ation page)				
	Digital Certificates					
	Active client cerActive server cer					
Acceptance	Business Rules:					
Criteria	=	="		"Accredited" are retured, revoked or cancell		
	Quality of Service					
	•	Uptime Target: 99.96 Window: 24 hrs x 36				
		ce - Avg Concurrent	•			
		ce - Peak Concurrent ce - Average Respon	•			
		ime Objective: 4 hou				
	<u>-</u>	Point Objective: 10 m				
	Security: T	LS 1.2 Mutual (Client	t and Server) Certifica	ate Authentication		

ID	23	Priority	1	Size	3
Title		As an Accredited Service Provider I can access the information required to validate the identity of another Accredited Service Provider			
Description	Any Accredited Service Provider can invoke an API to determine if a service provider is on the accreditation whitelist and their associated the Mutual TLS Certificate chain. Two certificate chains may be returned to support seamless transition upon certificate expiry.				
Acceptance	Business Rules:				
Criteria	• TBD				
	Quality of Service				

Availability Uptime Target: 99.98%

Availability Window: 24 hrs x 365 days

Performance - Avg Concurrent Requests: TBA
 Performance - Peak Concurrent Requests: TBA

Performance - Average Response Time: 3s

Recovery Time Objective: 4 hoursRecovery Point Objective: 10 minutes

• Security: TLS 1.2 Mutual (Client and Server) Certificate Authentication

ID	18	Priority	2	Size	3
Title	As an Accredited S	ervice Provider I can	verify the status of ar	nother service provide	r.
Description	be provided to enable the following details Service provide Trading Name	ole an accredited server : er ID	okup (verify) the statu vice provider to lookup urn the following infor	p another provider's s	
	Service provideTrading NameAccreditation S	er ID	J		
Acceptance Criteria	Business Rules: If the proveror. TBD	ider record cannot b	pe found the API will	return a HTTP 404	resource not found
	 Availability Performan Performan Recovery Recovery 	Uptime Target: 99.9 Window: 24 hrs x 36 ce - Avg Concurrent ce - Peak Concurren ce - Average Resportime Objective: 4 hor Point Objective: 10 m	65 days Requests: TBA t Requests: TBA nse Time: 1s urs	ate Authentication	

ID	37	Priority	4	Size	2
Title	As an Accredited Service Provider I need to know the cache details and maximum cache time for ASF lookup information to enable performant processing workflows.				cache time for ASP
Description	DCL lookup servi	ce must allow the	eader information that requestor to specify d to reflect any new o	cache override be	ehaviour. The DCL
Acceptance Criteria	Must use standard	HTTP headers.			

3.4 EPIC 004 - Maintain Accredited Service Provider Information

	Epic Value Statement
For	The Accreditation Authority (R008) and Accreditation Support Staff (R009)
Who	Accredit Service Providers
the	Digital Capability Locator (R004)
Is a	Repository of Accreditation Status History and Accredited Provider Public Identity Information
That	Enables Accredited Providers (R002 & R003) to confirm the status and identity of other Accredited Providers (R002 & R003)
Unlike	
Our solution	
	Scope
Success Criteria	 The Accreditation Authority (R008) or an existing Accredited Service Provider (R002 & R003) can securely store and maintain the identity information for an Accredited Service Provider (R002 & R003), including its current accreditation status.
In scope	 Provision of a Secure Graphical User Interface to allow Accreditation Support Staff (R009) to manage Accredited Service Provider information. Provision of an API to allow Accredited Service Providers (R002 & R003) to managing their own information. Storage of Accredited Service Provider Information to support the Application Programming Interface definitions defined in sections 8.2 and 8.4 of the Digital Business Council DCL Implementation Guide. (Digital Business Council, 2016b). Secure Storage of Accredited Service Provider Public Certificates.
Out of scope	 Accreditation Testing and Legal Frameworks. Integration with DTA's Trusted Digital Identity Framework
Quality of Service Requirements	Security: Compliance with the Information Security Manual and all relevant ASD specified controls. (Australian Signals Directorate, 2016)

3.4.1 User Stories

The following User Stories have been identified for this Epic. The DCL Working Group has undertaken initial prioritisation and higher priority stories have been elaborated to support initial release planning. It is anticipated that other stories will be elaborated on a just-in-time basis.

ID	28 Priority 1 Size 3				
Title	As the Accreditation Authority (or Accreditation Support Staff member) I can add information into the DCL for a Service Provider				
Description	The Accreditation Authority or the Accreditation Support Staff member needs to be able to access a user interface to create a record for a new Accredited or Provisionally Accredited Service Provider. The data entry process should be intuitive and guide the user through the process. It should provide clarity to the user in relation to the current step in the process and how many steps remain. The user should be able to navigate back and forth through the various steps. Users are required to enter all mandatory information and cannot suspend/resume the process.				
Acceptance Criteria	Users will be prevented from creating a duplicate record for a business on the basis of the following information:				
	 Availability Uptime Target: 99.98% Availability Window: 24 hrs x 365 days Performance - Avg Concurrent Requests: TBA Performance - Peak Concurrent Requests: TBA Performance - Average Response Time: TBA Recovery Time Objective: 4 hours Recovery Point Objective: 10 minutes Security: TLS 1.2 (Server Authentication Only) Username/Password Authentication (integration with Vanguard Federated Authentication Service) Data deemed sensitive in accordance with the Privacy Act should be encrypted when at rest. UI accessibility requirements. Eg. WCAG 2.0 AA 				

ID	29	Priority	1	Size	2			
Title		As the Accreditation Authority (or Accreditation Support Staff member) I can modify information into the DCL for an Service Provider						
Description	The Accreditation Authority or the Accreditation Support Staff member needs to be able to access a user interface to maintain the currency of information stored in the DCL. The user must be able to view a list of all accredited service providers, navigate to a specific service provider record and update relevant information.							
Acceptance	Quality of Service:							
Criteria	 Availability Uptime Target: 99.98% Availability Window: 24 hrs x 365 days Performance - Avg Concurrent Requests: TBA Performance - Peak Concurrent Requests: TBA Performance - Average Response Time: TBA 							

- Recovery Time Objective: 4 hours
- Recovery Point Objective: 10 minutes
- Security:
 - o TLS 1.2 (Server Authentication Only)
 - Username/Password Authentication (integration with Vanguard Federated Authentication Service)
 - Data deemed sensitive in accordance with the Privacy Act should be encrypted when at rest.
- UI accessibility requirements. Eg. WCAG 2.0 AA

ID	30	Priority	1	Size	1		
Title		on Authority (or Acc tion record in the DC		Staff member) I can	revoke a Service		
Description	Service Provider's a navigate to specific correct record by	The Accreditation Authority or the Accreditation Support Staff member needs to be able to revoke a Service Provider's accreditation. They should be able to view a list of accredited service providers and navigate to specific service provider record. Once the user has confirmed they have accessed the correct record by reviewing key provider information they are able to update the provider's accreditation status.					
	•	. This form will capt	•	e prior to updating th in to support the revo	•		
	When the user com	pletes the form the S	ervice Provider's Acc	reditation status is se	t to "Revoked".		
	Related User Story: this status update.	User Story 40 descr	ibes the expected sy	stem behaviours that	will be triggered by		
Acceptance	Quality of Service:						
Criteria	 Availability Performan Performan Performan Recovery Recovery Security: T U 	Uptime Target: 99.96 Window: 24 hrs x 36 ce - Avg Concurrent ce - Peak Concurrent ce - Average Respon Time Objective: 4 hou Point Objective: 10 m LS 1.2 (Server Authe sername/Password uthentication Service bility requirements. E	5 days Requests: TBA t Requests: TBA se Time: TBA urs inutes ntication Only) Authentication (interpretation)	tegration with Vai	nguard Federated		

ID	31	Priority	1	Size	1	
Title	As the Accreditation Authority (or Accreditation Support Staff member) I can suspend an Service Provider's accreditation record in the DCL					
Description	The Accreditation Authority or the Accreditation Support Staff member needs to be able to suspend a Service Provider's accreditation. They should be able to view a list of accredited service providers and					

navigate to specific service provider record. Once the user has confirmed they have accessed the correct record by reviewing key provider information they are able to update the provider's accreditation status.

The user is to be presented with a form/checklist to complete prior to updating the service provider's status to "Suspended". This form will capture critical information to support the suspension decision and provide an enduring audit record.

When the user completes the form the Service Provider's Accreditation status is set to "Suspended".

Related User Story: User Story 40 describes the expected system behaviours that will be triggered by this status update.

Acceptance

Criteria

Quality of Service:

- Availability Uptime Target: 99.98%
- Availability Window: 24 hrs x 365 days
- Performance Avg Concurrent Requests: TBA
 Performance Peak Concurrent Requests: TBA
- Performance Average Response Time: TBA
- Recovery Time Objective: 4 hours
- Recovery Point Objective: 10 minutes
- Security:
 - o TLS 1.2 (Server Authentication Only)
 - Username/Password Authentication (integration with Vanguard Federated Authentication Service)
- UI accessibility requirements. Eg. WCAG 2.0 AA

ID	41	Priority	1	Size	1		
Title		n Authority (or Accre		f member) I can read	ctivate a suspended		
Description	Service Provider's a providers and navig accessed the corre	The Accreditation Authority or the Accreditation Support Staff member needs to be able to suspend a Service Provider's accreditation. They should be able to view a list of suspended and revoked service providers and navigate to specific service provider record. Once the user has confirmed they have accessed the correct record by reviewing key provider information they are able to update the provider's accreditation status.					
	·	d". This form will cap	•	e prior to updating th on to support the un-	•		
	When the user com	pletes the form the S	ervice Provider's Acc	reditation status is se	t to "Accredited".		
	If the Service Provider is a DCP, all participants' related to this DCP will have their DNS record reinstated, unless it has been superseded by another DCP relationship.						
Acceptance	Quality of Service	:					
Criteria	AvailabilityPerformanPerformanPerforman	Uptime Target: 99.9 Window: 24 hrs x 36 ce - Avg Concurrent ce - Peak Concurren ce - Average Respor Time Objective: 4 hou	S5 days Requests: TBA t Requests: TBA ase Time: TBA				

- Recovery Point Objective: 10 minutes
- Security:
 - o TLS 1.2 (Server Authentication Only)
 - Username/Password Authentication (integration with Vanguard Federated Authentication Service)
- UI accessibility requirements. Eg. WCAG 2.0 AA

ID	40	Priority	2	Size	8			
Title		As an Accredited Service Provider and my accreditation is revoked, all participant DCL entries related to my DCP are redirected to the default DCP.						
Description	If the accredited service provider is a DCP, the DCL will remove all DNS UNAPTR records for participants who have an active relationship with that DCP recorded in the DCL. These entries will be relaced by a relationship with the default DCP.							
	The DCL will also mark the service provider with the appropriate accreditation status and no longer include that service provider in any accredited service provider information or certificate lookup results.							
Acceptance Criteria	 Any lookup requests for any participant's assigned to the suspended or revoked DCP return a not found response with 5 minutes of the revocation update. Accredited service provider lookup for the suspended or revoked service provider return a not found response immediately following the revocation update. Any bulk accredited service provider lookup does not return a result set containing the suspended or revoked service provider. 							

ID	38	Priority	4	Size	3
Title	As an Accredited S	ervice Provider I can	update my public (bu	t not all) information i	n the DCL.
Description	Certificates:	Certificates r Certificates cal Address; ite ct Email	update some parts of	their DCL record. Inc	cluding:
Acceptance Criteria	Quality of Service	·	ate other restricted fie	elds.	
		ata deemed sensitiv	ve in accordance wit	th the Privacy Act s	hould be encrypted

3.5 EPIC 005 - On-boarding of a large number of participants

Out of scope for BETA releases.

3.6 EPIC 006 - Support and Maintain the Digital Capability Locator

	Epic Value Statement
For	DCL Operations Support Staff (R005)
Who	Provide support services (phone & email), including incident and problem resolution to Accredited Service Providers (R002 & R003)
the	Digital Capability Locator (R004)
ls a	Graphical User Interface
That	 Enables the following functions: Review of DCL change audit history for a participant. Review of DCL change audit history for an Accredited Service Provider. Manual correction of data issues. Generation of standard reports. Health check and monitoring capabilities, including a high-level public-facing dashboard.
Unlike	-
Our solution	-
	Scope
Success Criteria	 DCL Operations Support Staff (R005) can easily determine the history of a participant's digital address record and its relationship with any accredited provider record. DCL Operations Support Staff (R005) can easily correct data issues in a transparent and auditable manner. DCL reports are suitable for management and executive-level consumption by the DCL Operator (R015) and any Accredited Service Provider (R002 & R003). The operational health of the DCL system can be ascertained easily and reliably. Portability of the solution between DCL technology service providers. (Minimise vendor lock-in)
In scope	 A secure graphical user interface for support tasks. Administrative and transactional audit logging Standard Operating Procedures (SOPs) Security Risk Management Plan (SRMP) System Security Plan (SSP), including a Security Incident Response Plan.
Out of scope	 General Incident and Problem Management Processes - please refer to the Digital Business Council Governance Processes. Co-ordination of the Commonwealth System Accreditation.
Quality of Service	Security: Compliance with the Information Security Manual and all relevant ASD specified controls. (Australian Signals Directorate, 2016)

Requirements

3.6.1 User Stories

The following User Stories have been identified for this Epic. The DCL Working Group has undertaken initial prioritisation and higher priority stories have been elaborated to support initial release planning. It is anticipated that other stories will be elaborated on a just-in-time basis.

ID	25	Priority	1	Size	2	
Title	As a DCL Operations Support Staff member I need reporting capabilities to be able to build and save queries so that I can analyse DCL activity					
Description	 Queries include: Audit history for participants; Audit history for Accredited Service Providers; Audit history for a specified day or time period; 					
Acceptance	TBC prior to RFT.					
Criteria						

ID	22	Priority	1	Size	3	
Title	As a DCL Operations Support Staff member I need a manual correction capability so that I can support the DCL as per standard operating procedures.					
Description	The DCL Operations Support Staff member will have a Graphical User Interface that enables them to search for participant or service provider records. They will be able to view each record and edit key information.					
Acceptance	TBC prior to RFT.					
Criteria						

ID	32	Priority	3	Size	3		
Title	As a participant I need a public facility so I can monitor and perform health checks on DCL services that affect my business						
Description	Website or dashboa	Website or dashboard					
Acceptance Criteria	TBC prior to RFT.						

3.7 EPIC 007 - Enabling for interoperability testing

	Epic Value Statement
For	Accredited (inc. provisional) Service Providers (R002 & R003)
Who	Are undertaking interoperability testing (to become accredited or validate system enhancements)
the	Test Digital Capability Locator
ls a	Augmented Replica of the Production DCL functionality
That	Enables:
	 the self-service, temporary allocation of Business Identifiers to each Assigned Testing Partner Organisation (R012); the self-service reset of testing data; the automated reset of testing data to a known baseline;
Unlike	-
Our solution	-
	Scope
Success Criteria	 Implementation of a DCL instance to support interoperability testing, including self-service features to minimise dependencies on the Council or Secretariat.
In scope	 Self-service allocation of testing business identities up to a maximum limit. Self-service reset of testing data to specified states to enable service provider test cases. A baseline sample test data set. Automated roll-back to the baseline sample test data set.
Out of scope	Service Provider Test Cases
Quality of Service Requirements	 Availability: Target 99% Support Hours: Performance: Peak - ; Average: ; Security: Compliance with the Information Security Manual and all relevant ASD specified controls. (Australian Signals Directorate, 2016) Standards Conformance:

3.7.1 User Stories

The following User Stories have been identified for this Epic. The DCL Working Group has undertaken initial prioritisation and higher priority stories have been elaborated to support initial release planning. It is anticipated that other stories will be elaborated on a just-in-time basis.

ID	21	Priority	1	Size	3	
Title	As an Accredited S	Service Provider I ca	n undertake interope	rability testing with of	her ASPs using the	
Description	-	solated duplicate of rability and end-to-en	the DCL will be avid testing.	vailable to support s	service providers to	
	This solution will no	t contain production	digital certificates for	any service provider.		
	This solution will hat test environment.	ive a URI which clear	ly identifies it and all	its participant records	as belonging to the	
Acceptance	TBC prior to RFT.					
Criteria						
ID	33	Priority	3	Size	3	
Title	As an Accredited environment.	Service Provider I	can allocate testing	identities in the int	eroperability testing	
Description	TBC prior to RFT.					
Acceptance	TBC prior to RFT.					
Criteria						
ID	34	Priority	3	Size	3	
Title	As an Accredited Service Provider I can reset testing data in the interoperability testing environment to specified states to enable re-testing of use cases.					
Description	TBC prior to RFT.	TBC prior to RFT.				
Acceptance	TBC prior to RFT.					
Criteria						

References

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