

APPENDIX [TBC]

VWKI Repository Interface Design Specification

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1 Introduction

1.1 Purpose and Scope

The VWKI Repository Interface Design Specification is a document required by Section L18.23 of the Code, in order to:

- a) specify the technical details of the VWKI Repository Interface; and
- b) set out the protocols and technical standards that apply to the VWKI Repository Interface.

1.2 Target Response Times

For the purposes of service management in the context of retrieving a specific, previously issued VWKI Certificate, the terms "sending" and "receipt" are interpreted as follows:

- a) **"receipt"** means the successful notification of a formal request by a VWKI Subscriber to obtain a specific artifact lodged in the VWKI Repository to the Service Desk; and
- b) **"sending"** means, making available of an electronic copy of that artifact by the DCC such that is immediately available to be retrieved via the designated folder in 'SharePoint Folder Structure' on the 'DCC SharePoint URL'.

Standard Processing Time: The Target Response Time for the DCC to complete "sending" of a specifically requested VWKI Certificate is two (2) business days from the time of "receipt".

2 VWKI Repository Interface

2.1 General Obligations

- a) The DCC shall provide a VWKI Repository Interface to enable VWKI Authorised Subscribers to retrieve artifacts lodged in the VWKI Repository.
- b) The VWKI Repository shall contain all issued VWP Certificates, VWD Certificates, Issuing VWP Certificates, Issuing VWD Certificates, the Root VWKICA Certificate, in accordance with the VWKI Certificate Policy.
- c) The DCC shall ensure all artifacts are provided in a standard, interoperable format (e.g., Base64 encoded DER for certificates).

2.2 Submission of a request for artifacts from the VWKI Repository

- a) A VWKI Authorised Responsible Officer (ARO) shall submit a formal request to the Service Desk. The request must contain sufficient detail to identify the required artifacts (e.g., Certificate Serial Number for a VWD Certificate).

2.3 Receipt and validation of the request for artifacts from the VWKI Repository by the DCC

Following receipt of such request, the DCC shall:

- a) perform required checks as DCC determines is necessary on the request for VWKI Repository artifacts;
- b) either accept; or reject the request; and
 - a. where the request is accepted, DCC shall make available an electronic copy of that artifact in the Repository Search in 'SharePoint Folder Structure' on the 'DCC SharePoint URL';
 - b. where the request is rejected, log the error for rejection in the Repository Search in 'SharePoint Folder Structure' on the 'DCC SharePoint URL';
- c) The DCC shall notify the ARO requesting VWKI Repository artifacts, and in the event of a rejection, provide details of why the request was rejected.

2.4 Retrieval of Published Trust Artifacts

Authorised Subscribers may retrieve publicly available trust artifacts required for Certificate path validation. The retrieval of the Root VWKICA Certificate and Issuing VWD CA Certificate via this mechanism is a mandatory part of the secure onboarding process, establishing the trust anchor before any issued certificates can be validated.

- a) The DCC shall ensure that the latest version of the artifacts listed in the Annex A of this document are lodged and available for download in a designated, read-only area of the 'SharePoint Folder Structure' on the 'DCC SharePoint URL accessible to all Authorised Subscribers:
 - i. The Root VWKICA Certificate;
 - ii. The Issuing VWP CA Certificate and the Issuing VWD CA Certificate; and
- b) The VWKI ARO may download these artifacts from the designated 'SharePoint Folder Structure' on the 'DCC SharePoint URL.

Annex A – VWKI Repository Interface parameters

DCC SharePoint URL

<https://capitaitservices.sharepoint.com/sites/LIVEDCC/testservices/SitePages/Home.aspx>

SharePoint Folder Structure

DCC shall provide the following folder structure for each VWKI Authorised Subscribers on the SharePoint.



A sub-folder shall be created for the day for each file upload in the YYYYMMDD format.

Annex B – Definitions for the purpose of this Appendix

In this document, except where the context otherwise requires:

- expressions defined in Section A of the Code (Definitions and Interpretation) have the same meaning as is set out in that section; and
- any expressions not defined here or in Section A of the Code have the meaning given to them in the VWKI Certificate Policy and the VWKI Registration Authority Policies and Procedures.