**RAM Certificate Operations** - for inclusion in APIM Portal v0.1

(This may be a separate page in the APIM portal)

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# Use of RAM certificate in PRISMS APIs

The recommended method for certificate signing for use by the Australian Government is the Australian Tax Office (ATO) Relationship Authorisation Manager (RAM) Certification (RAM Certificate), which is a free service to any organisation.

In creation of the PRISMS API credentials, the ClientID, the CRICOS code of the Provider in Production, or Dummy Provider in Staging, is used together with the RAM Public Certificate for certificate signing.

Initially this will be used by Vendors providing AMS and SMS software services, who require to develop and test the API integration with their software, will be onboarded in the Staging environment. The Vendor will create the RAM certificate in the Vendors’ name to create a ClientID to be used in the Staging environment.

For the Vendor providing AMS and SMS software services, on behalf of a Provider, the Vendor will create the RAM certificate in the Vendors’ name to be used on behalf of the Provider. This is required as the Vendor needs the private key portion of the certificate to perform any the transactions using the public certificate. It is requested that a separate RAM certificate is created by the Vendor for each Provider to safeguard against any compromise of one certificate.

The ClientID will be used for all API calls both in Attended and Unattended flows together with the Subscription Key that will be created for each organisation in the PRISMS APIM portal. See Developer Guide for Staging and Developer Guide for Production for details.

Providers running their own software or Vendors software in the Providers IT environment will create the RAM certificate in the name of the Provider’s organisation to be consumed by their systems.

Guidelines for creation of the RAM certificate is provided in this document PRISMS User Guide for Relationship Authorisation Manager V1.0 *(provide Hyperlink to document)*

# Onboarding using Access Request Forms

##  Vendors Onboarding in Staging for their development and testing

 The Vendor, to use the PRISMS API, will return the completed **PRISMS API Vendor Access Request Form** with the Vendor x509 Certificate (public certificate) of the RAM Certificate to develop and test in the Staging environment.

This will be used in creating of the Vendor ClientID, together with the dummy Provider CRICOS code allocated to the Vendor.

This ClientID, when used to call API, will utilise the Staging PRISMS Database.

This will be also used for Providers with their own software to develop and test the APIs in the Staging environment.

## Vendors Onboarding on behalf of Providers in the Staging Environment for Provider UAT Testing

- Dependant on Provider UAT testing decision

Vendors will return the **PRISMS API Provider Access Request for Staging Form**, with the Vendor x509 Certificate created by the Vendor to request access, to PRISMS APIs for their Providers for testing in Staging environment.

Providers will be set up with a dummy Provider CRICOS code in the Staging Database.

This ClientID, when used to call API, will utilise the Staging PRISMS Database.

## Vendors Onboarding on behalf of Providers in the Production Environment

Vendors will return the **PRISMS API Provider Access Request for Production Form**, with the x509 Certificate created by the Vendor to request access, to PRISMS APIs for their Providers for Production environment.

Providers will be set up with the Provider’s CRICOS code as per Production.

This ClientID, when used to call API, will utilise the Production PRISMS Database.

## Providers with Own IT Infrastructure Onboarding in the Production Environment

This may be where Providers use their own software or using a Vendor software on the Providers own IT infrastructure.

Providers will return the **PRISMS API Provider Access Request for Production Form**, with the x509 Certificate created by the Provider to request access, to PRISMS APIs for their Providers for Production environment.

Providers will be set up with the Provider’s CRICOS code as per Production.

This ClientID, when used to call API, will utilise the Production PRISMS Database.

# Provider PRISMS API Usage

The Providers will also need to submit a Provider PRISMS API Usage form That will notify us of the Vendor they are using and sign off on their use of the PRISMS API and the Terms and Conditions of their use.

# RAM Expiry

The RAM credentials are valid for 2 years.

The machine credential custodian is notified at their current business email listed in RAM at 60 days, 30 days and 7 days before expiry.

Vendors and Providers are to provide the Updates RAM credentials (the x509 Public Certificate) to DE to update the Client API credentials.