



Australian Government

IP Australia

November 2022

IP Australia's Patent Legal Status API

Committee on WIPO Standards CWS/10

Mr. Mladen Mitic

Director Business Transformation &
International ICT Cooperation



Patent Legal Status Mapping

Limited set of legal statuses available

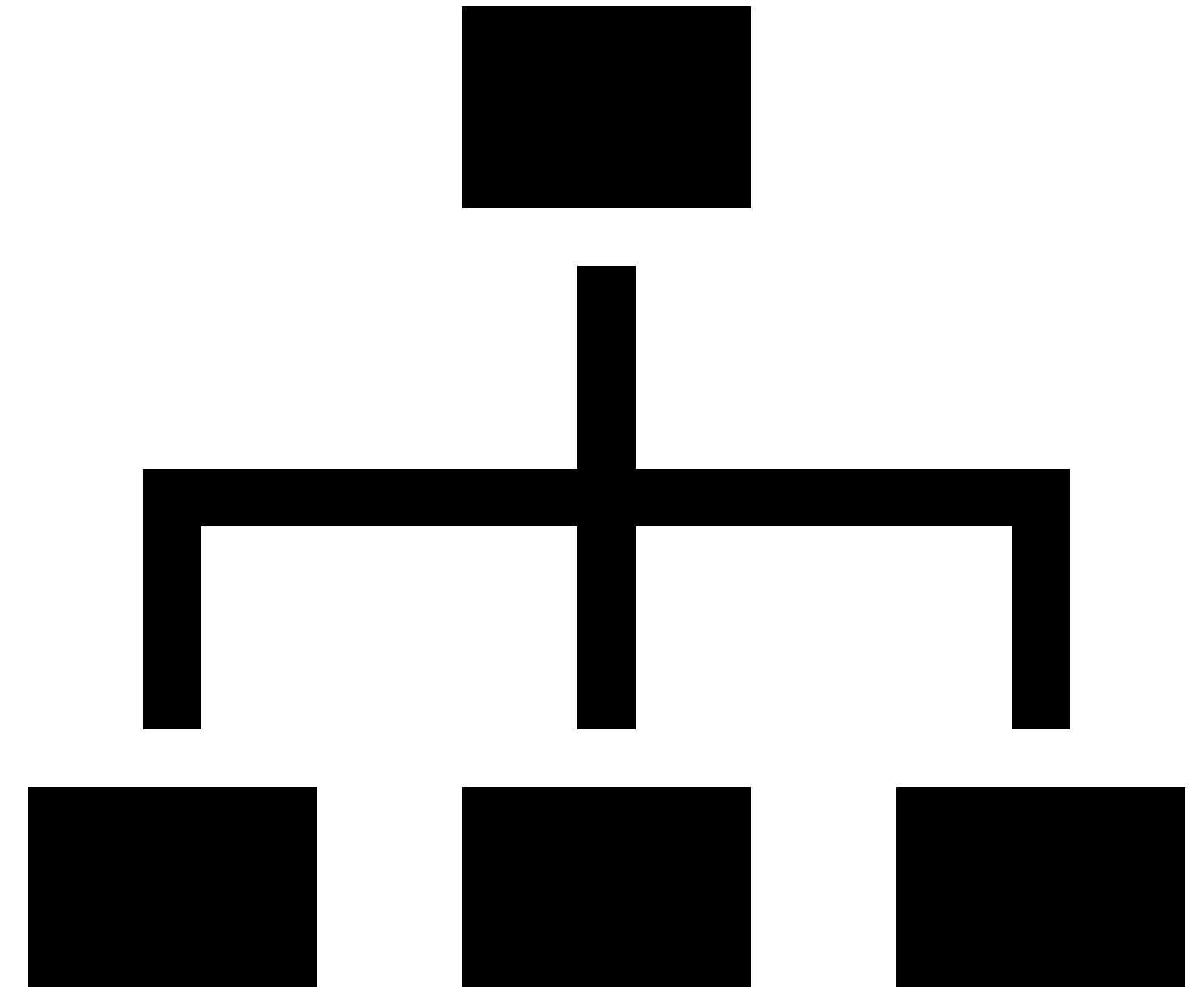
- e.g. Filed, Granted, Lapsed etc.

ST.27 mapping performed based on information including:

- Application status
- Document types and actions
- Bibliographic details (e.g. divisional application)
- Status change

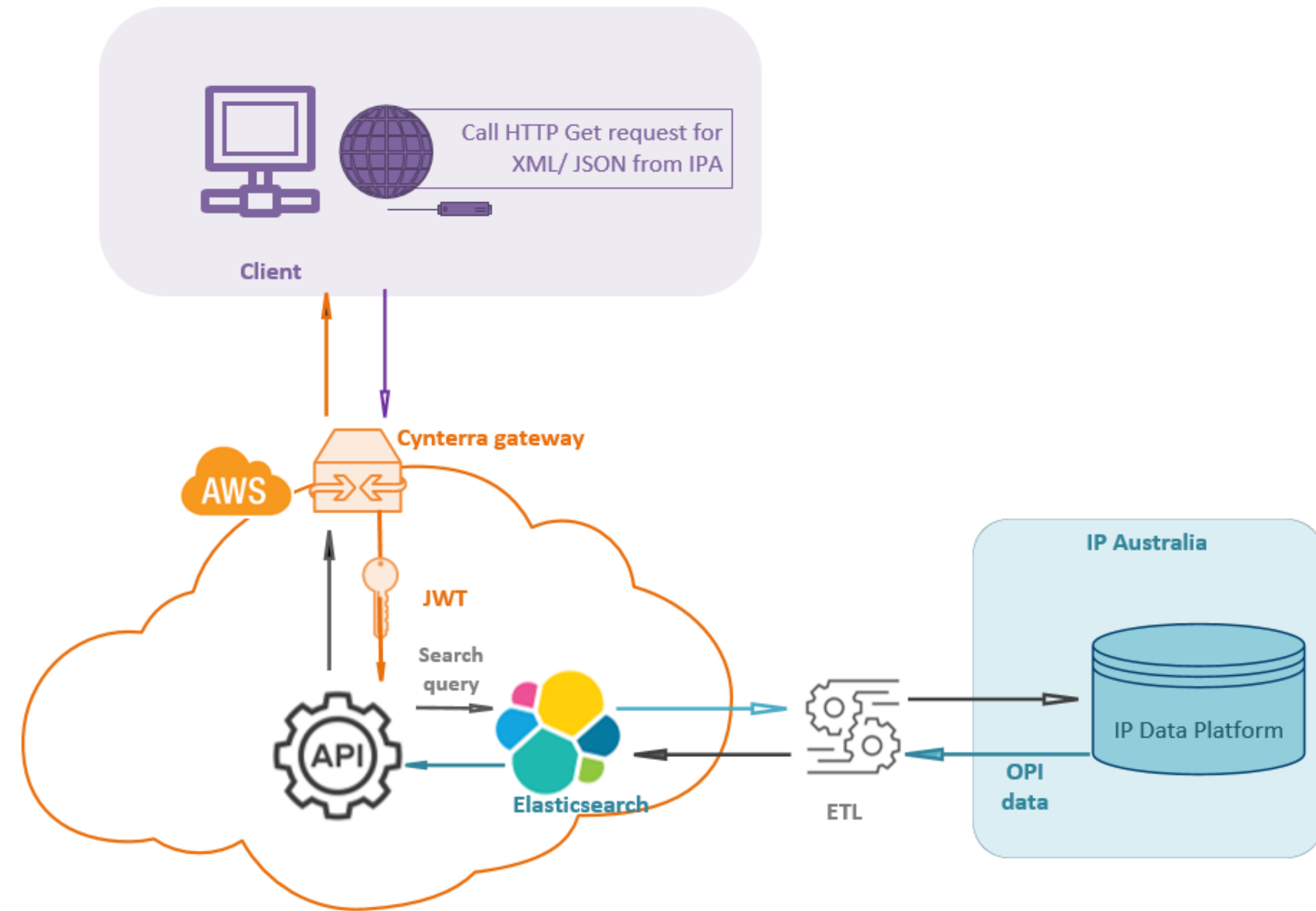
Not all ST.27 events mapped (67)

- Some not applicable in Australia, e.g. “D21. Rejection of application intended”
- Some not possible (at this time) based on information available in the system



Patent Legal Status API

- API interfaces with an Elasticsearch instance containing mapped legal status data
- Elasticsearch populated via an ETL built using SQL queries in Logstash, pulling data from our IP Data Platform
- Only OPI data is accessed through the IP Data Platform without direct access to systems of record
- Solution in alignment with IP Australia's Cloud Strategy



Details

The API

- Returns a list of legal status events in XML or JSON format
 - XML payload format conforms to ST.96 PatentLegalStatusData)
- Conforms to ST.90 API standard
- Has 2 endpoints: /patent-events and /patent-events/{auApplicationNumber}

GET /patent-events:

- Allows the caller to get a pageable list of patents and their events, applying different filters
- Good for getting a list of patents that have had a specific event type or stage happen

GET /patent-events/{auApplicationNumber}:

- Allows a user to get the patent events for a specific Patent by its Australian application number



Example - 2015250132

```
<pat:PatentLegalStatusData xmlns:pat="http://www.wipo.int/standards/XMLSchema/ST96/Pat
com:st96Version="V4_0" com:officeCode="AU">
  <pat:PatentLegalStatus>
    <pat:ApplicationIdentification>
      <com:ApplicationNumber>
        <com:IPOfficeCode>AU</com:IPOfficeCode>
        <com:ApplicationNumberText>2015250132</com:ApplicationNumberText>
      </com:ApplicationNumber>
      <pat:ApplicationFilingCategory>STANDARD PATENT</pat:ApplicationFilingCategory>
    </pat:ApplicationIdentification>
    <pat:StatusEventDataBag>
      <pat:StatusEventData>
        <pat:StatusEventCode>
          <pat:StateCode>N</pat:StateCode>
          <pat:PreviousStageCode>6</pat:PreviousStageCode>
          <pat:CurrentStageCode>0</pat:CurrentStageCode>
          <pat:KeyEventCode>U10</pat:KeyEventCode>
          <pat:DetailedEventCode>U13</pat:DetailedEventCode>
        </pat:StatusEventCode>
        <com:EventData>2022-11-10</com:EventData>
      </pat:StatusEventData>
      <pat:StatusEventData>
        <pat:StatusEventCode>
          <pat:StateCode>N</pat:StateCode>
          <pat:PreviousStageCode>0</pat:PreviousStageCode>
          <pat:CurrentStageCode>6</pat:CurrentStageCode>
          <pat:KeyEventCode>H10</pat:KeyEventCode>
          <pat:DetailedEventCode>H13</pat:DetailedEventCode>
        </pat:StatusEventCode>
        <com:EventData>2022-11-10</com:EventData>
      </pat:StatusEventData>
      <pat:StatusEventData>
        <pat:StatusEventCode>
          <pat:StateCode>U</pat:StateCode>
```

```
{
  "officeCode": "AU",
  "creationDate": "2022-11-04",
  "auApplicationNumber": "2015250132",
  "ipRightType": "STANDARD PATENT",
  "events": [
    {
      "statusEventCode": "U-0-0-U10-U11-xxx-X000",
      "eventDate": "2021-06-14",
      "state": "UNSPECIFIED",
      "stage": "0",
      "keyEvent": "U10",
      "detailedEvent": "Fee paid"
    },
    {
      "statusEventCode": "A-4-0-Q10-Q16-xxx-X000",
      "eventDate": "2021-03-25",
      "state": "ACTIVE",
      "stage": "0",
      "keyEvent": "Q10",
      "detailedEvent": "Document published"
    },
    {
      "statusEventCode": "A-0-4-F10-F11-xxx-X000",
      "eventDate": "2021-03-11",
      "state": "ACTIVE",
      "stage": "4",
      "keyEvent": "F10",
      "detailedEvent": "IP right granted"
    },
    {
      "statusEventCode": "A-2-0-Q10-Q13-xxx-X000",
      "eventDate": "2020-11-26",
```

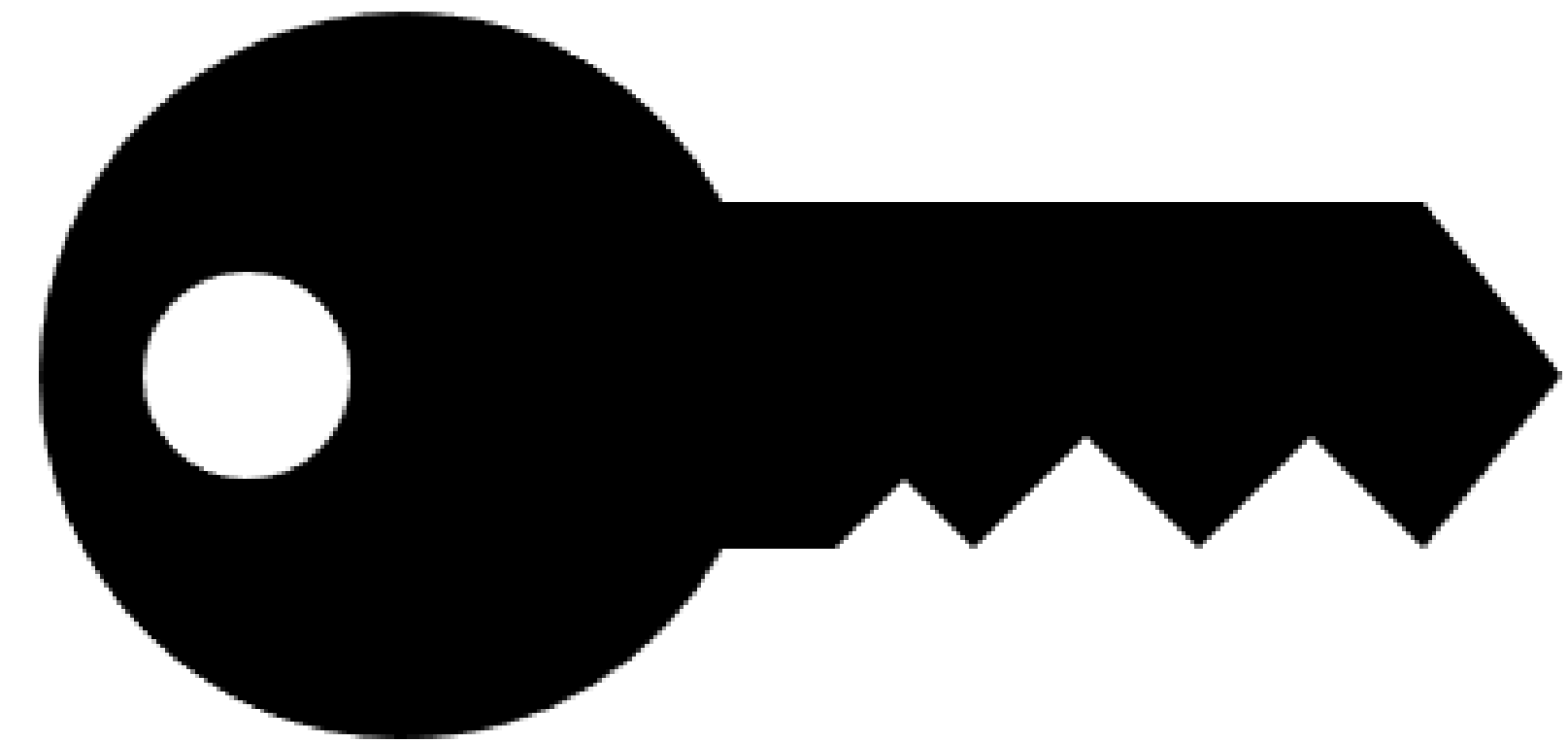


Access to the API

PoC Completed In June 2022

API made available to WIPO for testing

- Access to other users considered on request, subject to internal Data Steward approval
- For more information, please contact mdb-international-ict-cooperation@ipaaustralia.gov.au





Australian Government

IP Australia

Contact us

mdb-international-ict-cooperation@ipaustrialia.gov.au

 1300 65 1010 (9am-5pm)

 ipaustrialia.gov.au

 facebook.com/ipaustrialia.gov.au

 twitter.com/IPAUstralia

 linkedin.com/company/ip-australia

 youtube.com/user/ipaustrialia

 instagram.com/ipaustrialiaofficial/

