



Australian Government
IP Australia



Patents



Trade Marks



Designs

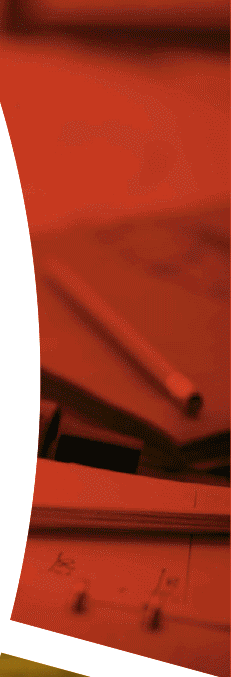
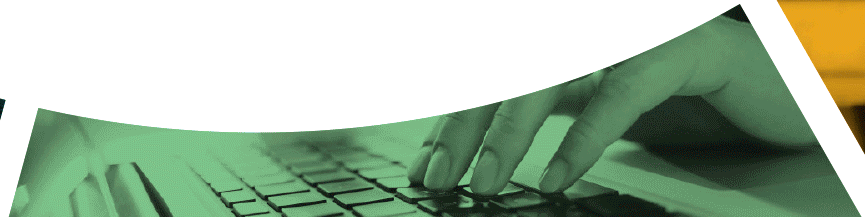


Plant Breeder's
Rights

Patent Legal Status API

Michael Burn – IP Australia

July 2019



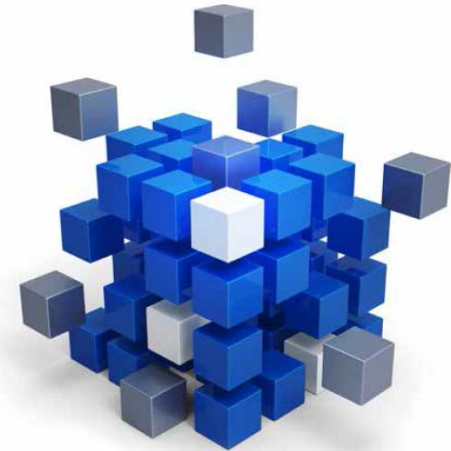


CWS/6

- The CWS noted that the XML4IP Task Force discussed the need to develop model Web APIs to better support IPOs to implement the new WIPO standard in a harmonized way.
- The model Web APIs are intended to provide common APIs based on the new standard proposal, which can be easily customized by IPOs if required.
- The CWS further explored business cases for common Web APIs and approved the exchange of patent legal status data according to WIPO Standard ST.27.
- The Delegation of Australia offered its active collaboration in the patent legal status proof of concept.

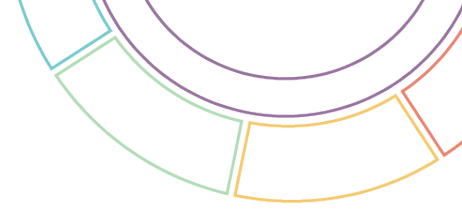
WIPO Standards

The common framework for industrial property information and documentation





Patent Legal Status API

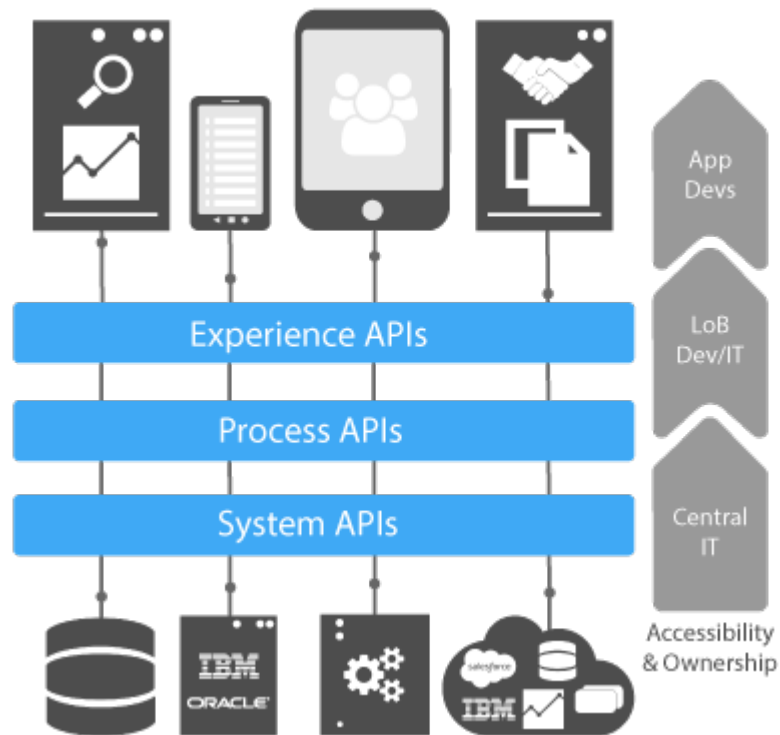


Objective

- Facilitate a real time or regular legal status data exchange or dissemination by IPOs

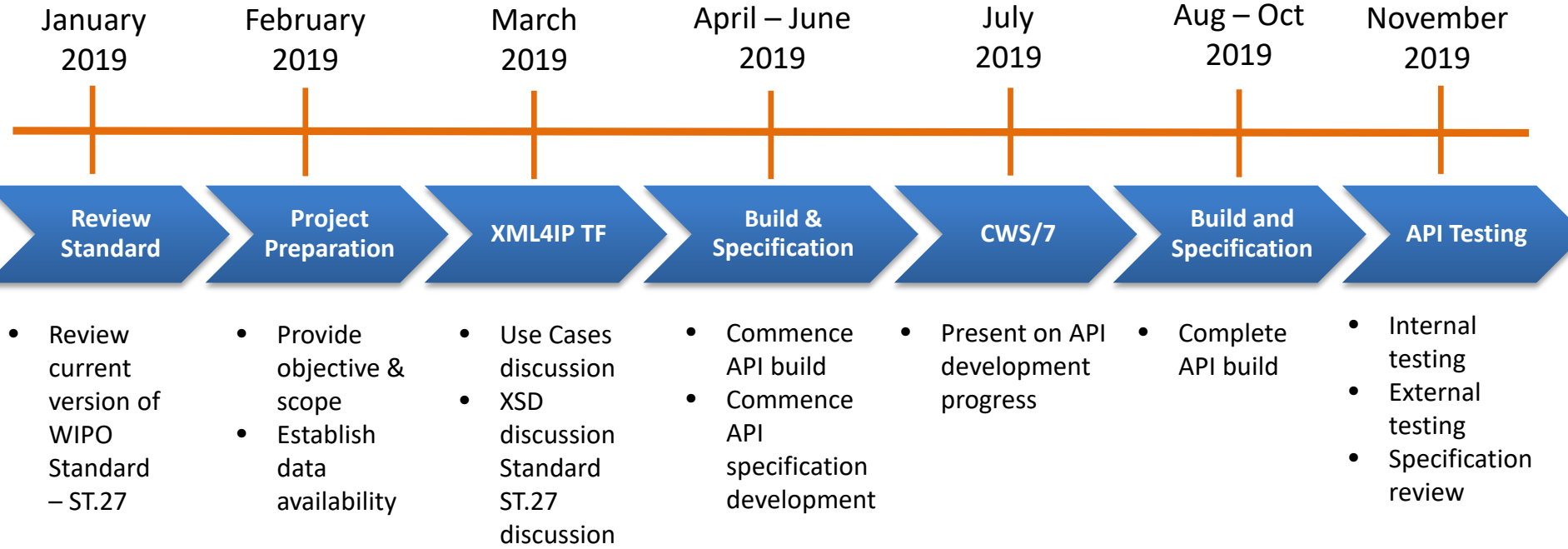
Scope

- Data exchange between IPOs and data from IPOs to end users for
 - Patent legal status (current target)
 - Design legal status (future)
 - Trademark legal status (future)





Patent Legal Status API Implementation Plan





Use Cases



1. Client requests all legal status events that have occurred during the given Date Range at the IPO for all types of IPRs.

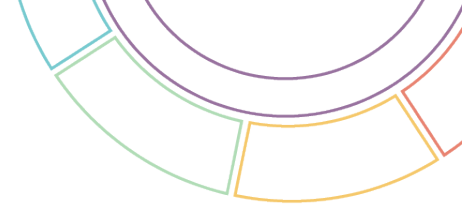
Request	Response
Office code	Office code
Date range	Date range
	Legal Status data payload

2. Client requests all legal status events occurred for an individual IPR (patent, trademark, design, etc.) grant or application.

Request	Response
Office code	Office code
Application / IPR number	Application / IPR number
	Legal Status data payload



Use Cases



3. Client requests most recent changes i.e. a new event has occurred in the pervious time period – to be based on Office Journal publications i.e. weekly

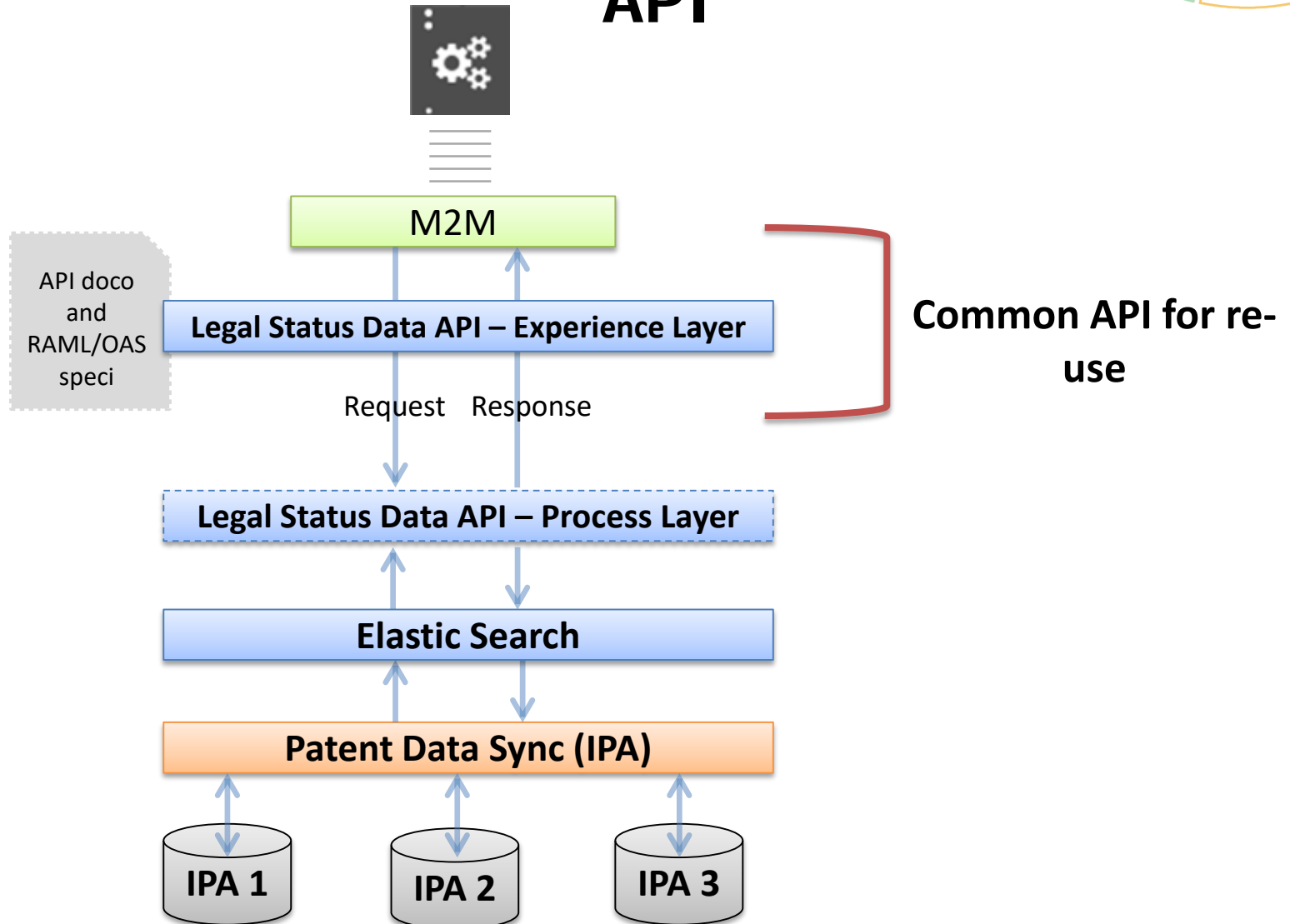
Request	Response
Office code	Office code
Date range	Date range (predefined)
	Legal Status data payload

4. Client requests information only on specific State, Stage(s) or Key Events for all IPRs or individual IPR – this type of query is often important for Patent Analytics

Request	Response
Office code	Office code
Date range	Date range
Application / IPR number / All*	Application / IPR number / All*
State / Stage / Key Event	Legal Status data payload



Patent Legal Status API





API Development

RAML Definition

Files + ⋮

- examples
 - PatentLegalStatus-example.json
 - PatentLegalStatusData-example.json
 - PatentLegalStatusData-example.xml
- st96
 - Common_V3_1.xsd
 - FlattenedMathML3.xsd
 - LegalStatusData-20190123.xsd
 - LegalStatusData-Common-20190123.xsd
 - OASISTable_V1_0.xsd
 - Patent_V3_1.xsd
- legal-status-api.raml
- legal-status-library.raml

```
1 #%RAML 1.0
2 baseUrl: https://anypoint.mulesoft.com/mocking/api/v1/links/528ba173-74ab-4eca-8327-80d6648a6c98/ #
3 title: Legal Status API
4
5 uses:
6   lib: legal-status-library.raml
7
8 /legal-status-events:
9   /patents:
10    get:
11      queryParameters:
12        applicationNumber:
13          type: string
14        fromDate:
15          type: date-only
16        toDate:
17          type: date-only
18      responses:
19        200:
20          body:
21            application/xml:
22              type: !include st96/LegalStatusData-20190123.xsd#PatentLegalStatusData
23            application/json:
24              type: lib.PatentLegalStatusData
25
26 /{applicationNumber}:
27   get:
28     responses:
29       200:
30         body:
31           application/xml:
32             type: !include st96/LegalStatusData-20190123.xsd#PatentLegalStatusData
33           application/json:
34             type: lib.PatentLegalStatus
35           example: !include examples/PatentLegalStatus-example.json
36
```

Mocking service: [icon]

Legal Status API

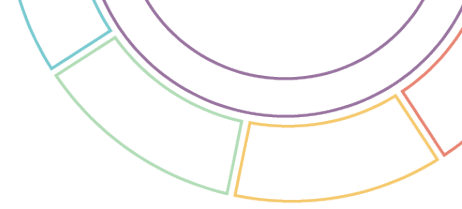
<https://anypoint.mulesoft.com/mocking/api/v1/links/528ba173-74ab-4eca-8327-80d6648a6c98> [icon]

API endpoints

- </legal-status-events>
- </legal-status-events/patents> GET
- </legal-status-events/patents/{applicationNumber}> GET



API Development



Mock Service Input Screen

Get Back to docs

Request URL

`https://anypoint.mulesoft.com/mocking/api/v1/links/0da6ae6f-5b82-48cf-9700-3c94c`

Parameters ⓘ Headers

Query parameters

applicationNumber*

fromDate*

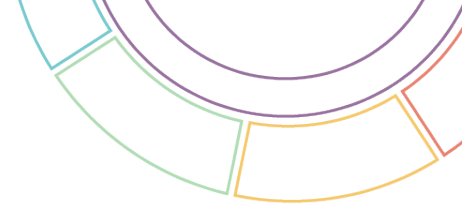
toDate*

[+ Add query parameter](#)

Fill in required parameters



API Development



ST.96 XML Output

```

version="1.0" >
  tentLegalStatusData p2:st96Version="V3_1" p2:creationDate="2019-02-18" xmlns:p2="http://www.wipo.int/1:PatentLegalStatus"
  <p1:ApplicationIdentification>
    <p2:IPOfficeCode>AU</p2:IPOfficeCode>
    <p2:ApplicationNumber>
      <p2:ST13ApplicationNumber>102011123456789</p2:ST13ApplicationNumber>
    </p2:ApplicationNumber>
  </p1:ApplicationIdentification>
  <p1:StatusEventDataBag>
    <p1:StatusEventData>
      <p2:StatusEventIdentifier>804bc5f2-e216-4fef-93c1-b799c71647ea</p2:StatusEventIdentifier>
      <p1:StatusEventCode>N06B10B11R120</p1:StatusEventCode>
      <p2:EventDate>2019-02-18</p2:EventDate>
      <p2:EffectiveDate>2019-02-18</p2:EffectiveDate>
      <p2:PublicationDate>2019-02-18</p2:PublicationDate>
    </p1:StatusEventData>
  </p1:StatusEventDataBag>
</p1:PatentLegalStatus>
PatentLegalStatus
  <p1:ApplicationIdentification>
    <p2:IPOfficeCode>AU</p2:IPOfficeCode>
    <p2:ApplicationNumber>
      <p2:ST13ApplicationNumber>102011123456789</p2:ST13ApplicationNumber>
    </p2:ApplicationNumber>
  </p1:ApplicationIdentification>
  <p1:StatusEventDataBag>
    <p1:StatusEventData>
      <p2:StatusEventIdentifier>804bc5f2-e216-4fef-93c1-b799c71647ea</p2:StatusEventIdentifier>
      <p1:StatusEventCode>N06B10B11R120</p1:StatusEventCode>
      <p2:EventDate>2019-02-18</p2:EventDate>
      <p2:EffectiveDate>2019-02-18</p2:EffectiveDate>
      <p2:PublicationDate>2019-02-18</p2:PublicationDate>
    </p1:StatusEventData>
  </p1:StatusEventDataBag>
</p1:PatentLegalStatus>
  tentLegalStatusData

```

ST.96 XML transformed to JSON output

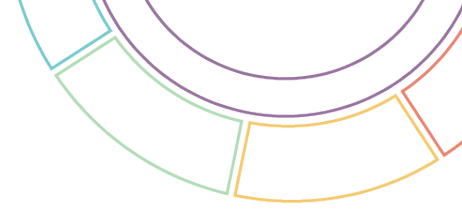
```

{
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    "PatentLegalStatus": [
      {
        "ApplicationIdentification": {
          "IPOfficeCode": "AU",
          "ApplicationNumber": {
            "ST13ApplicationNumber": "102011123456789"
          }
        }
      },
      "StatusEventDataBag": {
        "StatusEventData": {
          "StatusEventIdentifier": "804bc5f2-e216-4fef-93c1-b799c71647ea",
          "StatusEventCode": "N06B10B11R120",
          "EventDate": "2019-02-18",
          "EffectiveDate": "2019-02-18",
          "PublicationDate": "2019-02-18"
        }
      }
    ]
  },
  "ApplicationIdentification": {
    "IPOfficeCode": "AU",
    "ApplicationNumber": {
      "ST13ApplicationNumber": "102011123456789"
    }
  },
  "StatusEventDataBag": {
    "StatusEventData": {
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      "EventDate": "2019-02-18",
      "EffectiveDate": "2019-02-18",
      "PublicationDate": "2019-02-18"
    }
  }
}

```



Access



IP Australia

Welcome to IP Australia's API developer portal. Here you'll find APIs for connecting directly to various Australian Government IP services and information sources.

Assets

All types

Search



REST API ★★★★★



Smart Trade Mark Search API

REST API ★★★★★



TMGnS REST API

REST API ★★★★★



IPRight Management B2B API



Australian Government
IP Australia

Contact us

michael.burn@ipaustalia.gov.au

