

CLEARINGHOUSE



ICANN TMCH API Command Reference

VERSION 2.0

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1. INTRODUCTION

This document contains detailed information concerning the commands in the Trademark Clearinghouse (TMCH) API version 2.0.



2. OVERVIEW OF AVAILABLE COMMANDS

Here is the list of the available commands in TMCH API version 2.0:

- hello
- login
- logout
- create
- info
- check
- update
- renew
- poll
- transfer

In following paragraphs, each command will be explained in detail.



3. HELLO COMMAND

The hello command is intended to verify if the server is still responding. It can be sent at all times. It can also be used as a 'keep-alive' beacon.

→ Command layout

```
<?xml version="1.0" encoding="utf-8"?>
<tmch xmlns="urn:ietf:params:xml:ns:tmch-1.1">
  <hello/>
</tmch>
```



4. LOGIN COMMAND

The login command can be used to gain access to a specific portfolio. After login, the session will be tagged to be linked to the specified user until a logout command is sent or the connection is terminated either by time-out or on user request.

→ Command layout

```
<?xml version="1.0" encoding="utf-8"?>
<tmch xmlns="urn:ietf:params:xml:ns:tmch-1.1">
  <command>
    <login>
      <clID>ttest</clID>
      <pw>ttest:</pw>
    </login>
    <clTRID>Eadsfsdk-010132</clTRID>
  </command>
</tmch>
```



5. LOGOUT COMMAND

The logout command will disconnect the current session from a specific user. The only commands that still can be used are 'login' or 'hello'. All other commands will return an error indicating you will have to login first.

→ Command layout

```
<?xml version="1.0" encoding="utf-8"?>
<tmch xmlns="urn:ietf:params:xml:ns:tmch-1.1">
  <command>
    <logout/>
  </command>
</tmch>
```




6. CREATE COMMAND

The create command is used to add marks to a portfolio. It can only be used after login. Charges are automatically deducted from your account credit status and points will be added to your account status points counter. The mark will be directly eligible for verification.

Please note that the account credit status is returned after successful creation of the mark.

There are three types of marks that can be added: registered trademarks, court validated marks and marks linked to treaty or statute.

The id used to identify a mark should be unique. It contains three parts. The first 6 digits represent the user reference number, left padded with zero's. The second part is set of user defined digits (up to 55) and the third part is a dash followed by 1 ('-1') to indicate the verification party (currently there is only one with reference 1). As an example for user reference 123 following would be valid handles:

- 000123123456789-1
- 000123987654321987654321-1
- 00012399999999-1



6.1. Create registered trademark

Registered trademarks need one proof of use sample (doctype declProofOfUseOneSample) as additional upload if the mark needs to be eligible for sunrise. You can find more info on 'Proof of use' on our website.

→ Command layout

```
<?xml version="1.0" encoding="utf-8"?>
<tmch xmlns="urn:ietf:params:xml:ns:tmch-1.1">
  <command>
    <create>
      <mark xmlns="urn:ietf:params:xml:ns:mark-1.0">
        <trademark>
          <id>1234-2</id>
          <markName>Example One</markName>
          <holder entitlement="owner">
            <org>Example Inc.</org>
            <addr>
              <street>123 Example Dr.</street>
              <street>Suite 100</street>
              <city>Reston</city>
              <sp>VA</sp>
              <pc>20190</pc>
              <cc>US</cc>
            </addr>
          </holder>
          <jurisdiction>US</jurisdiction>
          <class>35</class>
          <class>36</class>
          <goodsAndServices>Dirigendas et eiusmodi
            featuring infringo in airfare et cartam servicia.
          </goodsAndServices>
          <regNum>234235</regNum>
          <regDate>2009-08-16T09:00:00.0Z</regDate>
          <exDate>2015-08-16T09:00:00.0Z</exDate>
        </trademark>
      </mark>
      <period unit="y">5</period>
      <document>
        <docType>declProofOfUseOneSample</docType>
        <fileName>C:\\ddafs\\file.png</fileName>
        <fileType>jpg</fileType>
        <fileContent>YnJvbAo=</fileContent>
      </document>
      <label>
        <aLabel>exampleone</aLabel>
        <smdInclusion enable="1"/>
        <claimsNotify enable="1"/>
      </label>
      <label>
        <aLabel>example-one</aLabel>
        <smdInclusion enable="0"/>
        <claimsNotify enable="1"/>
      </label>
    </create>
  </command>
</tmch>
```



6.2. Create court validated mark

A copy of the court order should be added as an additional document.

→ Command layout

```
<?xml version="1.0" encoding="UTF-8"?>
<tmch xmlns="urn:ietf:params:xml:ns:tmch-1.1">
  <command>
    <create>
      <mark xmlns="urn:ietf:params:xml:ns:mark-1.0">
        <court>
          <id>00071236-9992</id>
          <markName>My name</markName>
          <holder entitlement="owner">
            <name>Mr. Rep</name>
            <org>Owner INC</org>
            <addr>
              <street>Jacobs Street</street>
              <city>Bruges</city>
              <sp>VA</sp>
              <pc>8100</pc>
              <cc>BE</cc>
            </addr>
            <voice x="1234">+1.32235523</voice>
            <fax>+1.32235523</fax>
            <email>test@example.com</email>
          </holder>
          <goodsAndServices>BX-1421312-IRUNF-134</goodsAndServices>
          <refNum>12345678</refNum>
          <proDate>2009-08-16T09:00:00.0Z</proDate>
          <cc>BE</cc>
          <courtName>Court of Brussels</courtName>
        </court>
      </mark>
      <period unit="y">3</period>
      <document>
        <docType>copyOfCourtOrder</docType>
        <fileName>C:\\ddafs\\file.png</fileName>
        <fileType>jpg</fileType>
        <fileContent>YnJvbAo=</fileContent>
      </document>
      <label>
        <aLabel>my-name</aLabel>
        <smdInclusion enable="0" />
        <claimsNotify enable="1" />
      </label>
      <label>
        <aLabel>myname</aLabel>
        <smdInclusion enable="1" />
        <claimsNotify enable="0" />
      </label>
    </create>
  </command>
</tmch>
```



6.3. Create mark linked to treaty or statute

No additional requirements.

→ Command layout

```
<?xml version="1.0" encoding="utf-8"?>
<tmch xmlns="urn:ietf:params:xml:ns:tmch-1.1">
  <command>
    <create>
      <mark xmlns="urn:ietf:params:xml:ns:mark-1.0">
        <treatyOrStatute>
          <id>000712423-2</id>
          <markName>Example One</markName>
          <holder entitlement="owner">
            <org>Example Inc.</org>
            <addr>
              <street>123 Example Dr.</street>
              <street>Suite 100</street>
              <city>Reston</city>
              <sp>VA</sp>
              <pc>20190</pc>
              <cc>US</cc>
            </addr>
          </holder>
          <protection>
            <cc>US</cc>
            <region>Puerto Rico</region>
            <ruling>US</ruling>
            <ruling>PR</ruling>
          </protection>
          <goodsAndServices>Dirigendas et eiusmodi
            featuring infringo in airfare et cartam servicia.
          </goodsAndServices>
          <refNum>234235</refNum>
          <proDate>2009-08-16T09:00:00.0Z</proDate>
          <title>My Mark Title</title>
          <execDate>2010-01-05T09:00:00.0Z</execDate>
        </treatyOrStatute>
      </mark>
      <period unit="y">5</period>
      <label>
        <aLabel>exampleone</aLabel>
        <smdInclusion enable="1"/>
        <claimsNotify enable="1"/>
      </label>
      <label>
        <aLabel>example-one</aLabel>
        <smdInclusion enable="0"/>
        <claimsNotify enable="1"/>
      </label>
    </create>
  </command>
</tmch>
```



7. INFO COMMAND

The info command can be used to retrieve all information linked to a mark based on the unique id used to create the mark. A list of id's is downloadable via the web interface. Notice that marks created through the web interface will be assigned a handle automatically.

Only one id at the time can be passed to the server.

The information of a mark can be retrieved in various formats.

7.1. Info mark command

This command will return a mark block that is similar to the one used to create the mark.

→ Command layout

```
<?xml version="1.0" encoding="utf-8"?>
<tmch xmlns="urn:ietf:params:xml:ns:tmch-1.1">
  <command>
    <info>
      <id>000712423-2</id>
    </info>
  </command>
</tmch>
```

7.2. Info smd command

This command will return a plain Signed Mark Data (SMD) block if an SMD is available.

→ Command layout

```
<?xml version="1.0" encoding="utf-8"?>
<tmch xmlns="urn:ietf:params:xml:ns:tmch-1.1">
  <command>
    <info type="smd">
      <id>000712423-2</id>
    </info>
  </command>
</tmch>
```

7.3. Info enc command

This command will return an encode (header-less) SMD block if an SMD is available.

→ Command layout

```
<?xml version="1.0" encoding="utf-8"?>
<tmch xmlns="urn:ietf:params:xml:ns:tmch-1.1">
  <command>
    <info type="enc">
      <id>000712423-2</id>
    </info>
  </command>
</tmch>
```



7.4. Info file command

This command will return an encoded SMD block including the header if an SMD is available. This is exactly the same file as can be downloaded via the website.

➔ Command layout

```
<?xml version="1.0" encoding="utf-8"?>
<tmch xmlns="urn:ietf:params:xml:ns:tmch-1.1">
  <command>
    <info type="file">
      <id>000712423-2</id>
    </info>
  </command>
</tmch>
```



8. CHECK COMMAND

The check command can be used to see if a handle is in use or not. Please note that the id's have to be in the right format as described above. Multiple id's can be checked at once.

→ Command layout

```
<?xml version="1.0" encoding="utf-8"?>
<tmch xmlns="urn:ietf:params:xml:ns:tmch-1.1">
  <command>
    <check>
      <id>000712423-2</id>
      <id>000712812-2</id>
    </check>
  </command>
</tmch>
```



9. UPDATE COMMAND

The update command can be used to:

- add and change the marks block
- add, change, remove labels from a mark
- add documents to the mark
- add cases to a mark
- add, change, remove labels to the case linked to a mark
- add documents to the case linked to a mark



9.1. Combined layout : adding documents, labels, removing label, change mark block

→ Command layout

```
<?xml version="1.0" encoding="utf-8"?>
<tmch xmlns="urn:ietf:params:xml:ns:tmch-1.1">
  <command>
    <update>
      <id>000712423-2</id>
      <add>
        <document>
          <docType>tmOther</docType>
          <fileName>C:\\ddafs\\file2.png</fileName>
          <fileType>jpg</fileType>
          <fileContent>YnJvbAo=</fileContent>
        </document>
        <label>
          <aLabel>my-name</aLabel>
          <smdInclusion enable="0"/>
          <claimsNotify enable="1"/>
        </label>
      </add>
      <rem>
        <label>
          <aLabel>my-name</aLabel>
          <smdInclusion enable="1"/>
          <claimsNotify enable="1"/>
        </label>
      </rem>
      <chg>
        <mark xmlns="urn:ietf:params:xml:ns:mark-1.0">
          <treatyOrStatute>
            <id>000712423-2</id>
            <markName>Example One</markName>
            <holder entitlement="owner">
              <org>Example Inc.</org>
              <addr>
                <street>123 Example Dr.</street>
                <street>Suite 100</street>
                <city>Reston</city>
                <sp>VA</sp>
                <pc>20190</pc>
                <cc>US</cc>
              </addr>
            </holder>
            <protection>
              <cc>US</cc>
              <region>Puerto Rico</region>
              <ruling>US</ruling>
              <ruling>PR</ruling>
            </protection>
            <goodsAndServices>Dirigendas et eiusmodi
              featuring infringo in airfare et cartam servicia.
            </goodsAndServices>
            <refNum>234235</refNum>
            <proDate>2009-08-16T09:00:00.0Z</proDate>
            <title>My Mark Title</title>
            <execDate>2010-01-05T09:00:00.0Z</execDate>
          </treatyOrStatute>
        </mark>
      </chg>
    </update>
  </command>
</tmch>
```



9.2. Alternative minimal command (add label only)

→ Command layout

```
<?xml version="1.0" encoding="utf-8"?>
<tmch xmlns="urn:ietf:params:xml:ns:tmch-1.1">
  <command>
    <update>
      <id>000712423-2</id>
      <add>
        <label>
          <aLabel>my-name</aLabel>
          <smdInclusion enable="0"/>
          <claimsNotify enable="1"/>
        </label>
      </add>
    </update>
  </command>
</tmch>
```

9.3. Update mark add case command example

→ Command layout

```
<?xml version="1.0" encoding="utf-8"?>
<tmch xmlns="urn:ietf:params:xml:ns:tmch-1.1">
  <command>
    <update>
      <id>000712423-2</id>
      <add>
        <case>
          <id>case-0000001123456789</id>
          <udrp>
            <caseNo>123445239fasdf</caseNo>
            <udrpProvider>WIPO</udrpProvider>
            <caseLang>English</caseLang>
          </udrp>
          <document>
            <docType>tmOther</docType>
            <fileName>C:\\ddafs\\file2.png</fileName>
            <fileType>jpg</fileType>
            <fileContent>YnJvbAo=</fileContent>
          </document>
          <label>
            <aLabel>my-name-too</aLabel>
          </label>
          <label>
            <aLabel>my-name-two</aLabel>
          </label>
        </case>
      </add>
    </update>
  </command>
</tmch>
```



9.4. Update label on mark example

Command layout

```
<?xml version="1.0" encoding="utf-8"?>
<tmch xmlns="urn:ietf:params:xml:ns:tmch-1.1">
  <command>
    <update>
      <id>000712423-2</id>
      <chg>
        <label>
          <aLabel>my-name-too</aLabel>
          <smdInclusion enable="1"/>
          <claimsNotify enable="0"/>
        </label>
        <label>
          <aLabel>my-name-two</aLabel>
          <smdInclusion enable="1"/>
          <claimsNotify enable="1"/>
        </label>
      </chg>
    </update>
  </command>
</tmch>
```



10. RENEW COMMAND

This command is currently NOT activated.

→ Command layout

```
<?xml version="1.0" encoding="utf-8"?>
<tmch xmlns="urn:ietf:params:xml:ns:tmch-1.1">
  <command>
    <renew>
      <id>000712423-2</id>
      <curExpDate>2015-03-05</curExpDate>
      <period unit="y">2</period>
    </renew>
  </command>
</tmch>
```



11. POLL REQUEST

The poll command is used to see if there are still pending messages on the server side. Messages are created under various circumstances (verification approval, request for more info, domain label registration, ...)

Please note that any resulting non-error message returns the number of poll messages left on the queue.

11.1. Poll 'pending messages'

The poll command will return the first message on the queue and the number of messages left.

→ Command Layout

```
<?xml version="1.0" encoding="utf-8"?>
<tmch xmlns="urn:ietf:params:xml:ns:tmch-1.1">
  <command>
    <poll op="req"/>
  </command>
</tmch>
```

11.2. Poll 'acknowledge message'

The poll ack command removes the top message from the queue making it possible to access the next message if there are any messages left.

→ Command layout

```
<?xml version="1.0" encoding="utf-8"?>
<tmch xmlns="urn:ietf:params:xml:ns:tmch-1.1">
  <command>
    <poll op="ack" msgID="123"/>
  </command>
</tmch>
```




12. TRANSFER REQUEST

The transfer command has not been activated yet.

In a future release, these commands will be used during transfers of trademarks.

12.1. Transfer 'initiate'

→ Command Layout

```
<?xml version="1.0" encoding="utf-8"?>
<tmch xmlns="urn:ietf:params:xml:ns:tmch-1.1">
  <command>
    <transfer op="initiate">
      <id>000712423-1</id>
    </transfer>
  </command>
</tmch>
```

12.2. Transfer 'execute'

→ Command Layout

```
<?xml version="1.0" encoding="utf-8"?>
<tmch xmlns="urn:ietf:params:xml:ns:tmch-1.1">
  <command>
    <transfer op="execute">
      <id>000111777-1</id>
      <authCode>fdyhqewjadfahasd</authCode>
    </transfer>
  </command>
</tmch>
```