



Spectrum Management System (SMS) DTV Application Demo

May 10, 2017



Overview of Today's Presentation

- Creating a web profile
- DTV modification application
- New DTV application

Spectrum Management System:

<https://sms-sgs.ic.gc.ca/>

Client Sandbox:

<https://sms-sgs-preprod.ic.gc.ca/>

Creating a broadcaster's web profile

- Web Site Registration
 - Register a new Web Account

[Home](#) → [Internet, Radio and Wireless](#) → [Spectrum Management System \(Client Sandbox\)](#)

The screenshot displays the 'SMS (Client Sandbox)' navigation menu on the left, with a blue arrow pointing to 'Web Site Registration'. The main content area is titled 'Select:' and contains several options, with a blue arrow pointing to 'Register a new Web Account for a new or existing Licensee or Certification/Registration clients or Broadcaster'. A light blue information box is also present, containing text about company number approval and access to the system.

SMS (Client Sandbox)

- Spectrum Management System Data
- Web Site Registration
- Radiocommunication Licensing Services
- Equipment Certification and Registration Services
- Broadcasting Services

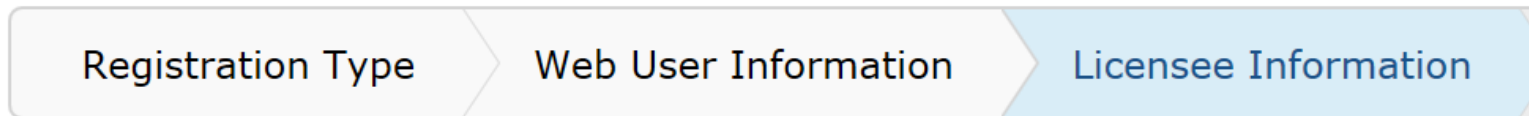
Select:

- My Web Account
- Information:** Innovation, Science and Economic Development Canada company numbers must be approved by a departmental administrator before being assigned. An email will be sent to either confirm the number or to request further clarification. **Access to the Spectrum Management System web site only follows granted approval.**
- Register a new Web Account for a new or existing Licensee or Certification/Registration clients or Broadcaster
- Add Licensee or Certification/Registration or Broadcaster account to Client Web Account
- Add Licensee or Certification/Registration or Broadcaster account to Agent Web Account

Creating a broadcaster's web profile

- Existing Licensee
 - existing applications or certificates
- Need to know shared secret and account number*

New User Registration - Licensee Information



Licensee Information

Account Number (required)

Please enter your new account number. For existing clients, your former account number "98-123456789" is now in the format "098123456789"

Shared Secret (required)

*Shared secret sent to broadcasters in letters in June 2015

Adding broadcaster to agent's profile

- Web Site Registration
 - Add ... Broadcaster account to Agent Web Account

[Home](#) → [Internet, Radio and Wireless](#) → [Spectrum Management System \(Client Sandbox\)](#)

The screenshot displays the 'Spectrum Management System (Client Sandbox)' interface. On the left, a vertical navigation menu includes the following items: 'SMS (Client Sandbox)', 'Spectrum Management System Data', 'Web Site Registration' (highlighted with a blue arrow), 'Radiocommunication Licensing Services', 'Equipment Certification and Registration Services', and 'Broadcasting Services'. The main content area is titled 'Select:' and contains several options, each with a lock icon. The first option is 'My Web Account'. Below it is a light blue information box with an 'i' icon, containing the text: 'Innovation, Science and Economic Development Canada company numbers must be approved by a departmental administrator before being assigned. An email will be sent to either confirm the number or to request further clarification. **Access to the Spectrum Management System web site only follows granted approval.**'. The next option is 'Register a new Web Account for a new or existing Licensee or Certification/Registration clients or Broadcaster'. The final option, highlighted with a blue arrow, is 'Add Licensee or Certification/Registration or Broadcaster account to Agent Web Account'.

Adding broadcaster to agent's profile

- Existing Licensee
 - existing applications or certificates

Add Client

Registration Type (required)

Existing Licensee

New Licensee

Next

Add Client

Licensee Information

Existing Licensee (required)

City/Town

Search

No results were found for your query. Please check your input and try again.

Back

Adding broadcaster to agent's profile

- Attach Power of Attorney or completed ISED-ISDE3052 Retention of an Agent

Add Client

Attachments

Select Attachment

Description

Please upload documents showing the entitlement for system access, e.g. a 'Power of Attorney' or completed authorization to act on behalf of the licensee / company.

Modification application

- Broadcasting Services
 - Apply for a Broadcasting Certificate

The screenshot displays the Government of Canada website interface. At the top, there is a navigation bar with the Government of Canada logo and the text "Government of Canada" and "Gouvernement du Canada". A search bar is located on the right side of the navigation bar. Below the navigation bar, there is a menu with options: Jobs, Immigration, Travel, Business, Benefits, Health, Taxes, and More services. The breadcrumb trail indicates the current location: Home → Internet, Radio and Wireless → Spectrum Management System (Client Sandbox).

The main content area is titled "Broadcasting Services". On the left, there is a sidebar menu with the following items: SMS (Client Sandbox), Spectrum Management System Data, Web Site Registration, Radiocommunication Licensing Services, Equipment Certification and Registration Services, and Broadcasting Services. A blue arrow points to the "Broadcasting Services" item in the sidebar.

The "Broadcasting Services" section contains several options: "Browse or Print your Certificate", "Apply for a Broadcasting Certificate", "Download Broadcasting Database", "Download Broadcasting Contours - MapInfo", and "View Available Callsign List". A blue arrow points to the "Apply for a Broadcasting Certificate" option.

A detailed view of the "Apply for a Broadcasting Certificate" option is shown in a larger box. It displays two categories: "DTV - regular power:" and "DTV - low power:". Each category has three buttons: "New", "Modify", and "Copy". A blue arrow points to the "Modify" button in the "DTV - regular power:" category.

Modification application

- Enter details of current certificate being modified

Search for Licences for Modify

The form is titled "Search for Licences for Modify" and is enclosed in a light gray border. It contains five input fields arranged in two rows. The first row has three fields: "Licence Number", "Account Number", and "Licensee Name". The second row has two fields: "Reference Identifier" and "Former Account Number (if applicable)". A green "Search" button is positioned at the bottom left of the form area.

- Clicking Search without entering data will provide list of all your certificates of this type

Modification application

- Modification produces new version
 - Eg 01030075-001 -> 01030075-002
- Modification application only if same type of station:
 - Eg Analog TV -> DTV conversion would not use a modification application

Modification application

- Enter application details

General Information

Application Number	<input type="text" value="010300776-003"/>
Legacy Cert Number	<input type="text" value="T-7586"/>
Legacy File Number	<input type="text" value="999"/>
Is it an Experimental Authority	<input type="text" value="No"/> <input type="button" value="v"/>
Requested Duration (required)	<input type="text" value="Standard Term"/> <input type="button" value="v"/>
Applicant Received Date	<input type="text" value=""/>
Client Reference	<input type="text" value=""/>

- Some currently authorized parameters will be pre-filled

Modification application

- All required data fields specify “(required)”

Main Station - Proposed Parameters

CRTC Licence Exempt	<input type="text" value="No"/>
CRTC Exemption Order Number (If above is 'Yes')(required)	<input type="text"/> <input type="text"/>
TSID Number	<input type="text" value="5BC7"/>
Principal Service Area (required)	<input type="text" value="City1"/>
Province	<input type="text" value="British Columbia"/>
Station Class	<input type="text" value="Low Power"/>
Call Sign (required)	<input type="text" value="CJMN-DT"/>

Modification application

- Some fields not populated as legacy system did not save this data in specific fields

Site Information

Street Address or Site Name (required)

City

Province or Territory (required)

Please select ...



Geographical Coordinates WGS84

Latitude (required)

33

°

30

'

1

" N

Longitude (required)

120

°

48

'

47

" W

Modification application

- Can add an alternate or standby transmitter by clicking “Add AUX Station”

List of Stations

Station	Type	Street or Site Name
1	Main Station	Unknown

Add AUX Station

- Alternate / Standby forms have button to load data from main station on each page

Aux Station - Proposed Parameters

Use details from Parent Station

Load data from Main Station

Modification application


- Validate to identify missing or incorrect data

Application Summary

[Download Draft as PDF](#)

▶ General Information	Edit
▶ Account Information	Edit
▶ Usage/Other Information Validation Error	Edit
▶ List of Stations Validation Error	Edit
▶ Attachment(s) and Archived Snapshots	Edit

[← Back to List](#) [Save](#) [Validate](#) [Submit to IC](#) [Delete](#)



- Submit to ISED once validated

Modification application

- Validation provides messages specifying which data is missing or incorrect

• Field [Rebroadcasting Station] cannot be empty

Main Station - General Details

Channel Number (required)

Requested Frequency [MHz] (required)

Rebroadcasting Station (required) • Field [Rebroadcasting Station] cannot be empty

• Site is invalid / Field [Latitude] must be in range between 40 and 90

Geographical Coordinates WGS84

Latitude (required) ° ' " N • Site is invalid / Field [Latitude] must be in range between 40 and 90

Longitude (required) ° ' " W

New application

- Broadcasting Services
 - Apply for a Broadcasting Certificate

The screenshot shows the Government of Canada website interface. At the top, there is a navigation bar with the Canadian flag, the text "Government of Canada" and "Gouvernement du Canada", and a search box labeled "Search Canada.ca". Below this is a secondary navigation bar with menu items: Jobs, Immigration, Travel, Business, Benefits, Health, Taxes, and More services. A breadcrumb trail reads: Home → Internet, Radio and Wireless → Spectrum Management System (Client Sandbox). On the left, a sidebar menu titled "SMS (Client Sandbox)" lists several options, with "Broadcasting Services" highlighted by a blue arrow. The main content area is titled "Broadcasting Services" and contains five buttons: "Browse or Print your Certificate", "Apply for a Broadcasting Certificate", "Download Broadcasting Database", "Download Broadcasting Contours - MapInfo", and "View Available Callsign List". A blue arrow points to the "Apply for a Broadcasting Certificate" button. Below this, a table displays options for "DTV - regular power:" and "DTV - low power:". Each row has three buttons: "New" (with a lock icon), "Modify" (with a lock icon), and "Copy" (with a lock icon). A blue arrow points to the "New" button in the "DTV - low power:" row.

Additional information

- Identify account number

Home → Internet, Radio and Wireless → [Spectrum Management System](#)

Spectrum Management System

- Spectrum Management System Data
- Web Site Registration
- Radiocommunication Licensing Services
- Equipment Certification and Registration Services
- Broadcasting Services**

Broadcasting Services

[Browse or Print your Certificate](#) | [Apply for a Broadcasting Certificate](#) | [Download Broadcasting Database](#) | [Download Broadcasting Contours - MapInfo](#) | [View Available Callsign List](#)

Browse or Print your Certificate

- Use these options to browse, download or print a Broadcasting Certificate in PDF format.

[Download Virtual Certificate \(PDF Format\)](#)

Search for Virtual Licence

Search Parameters

Licence Number	Station
<input type="text" value="Licence Number"/>	<input type="text" value="Station"/>
Reference Identifier	Call Sign
<input type="text" value="Reference Identifier"/>	<input type="text" value="Call Sign"/>

Additional information

- Identify account number



Innovation, Science and
Economic Development Canada

Innovation, Sciences et
Développement économique Canada

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BROADCASTING CERTIFICATE

Issued under the authority of the Minister of Industry in accordance with the *Radiocommunication Act* and Regulations made thereunder.

This certificate is subject to modification prior to its expiry. For the latest version and status of this certificate, please consult the Innovation, Science and Economic Development Canada website at <http://www.ic.gc.ca/spectrum>

EFFECTIVE DATE	EXPIRY DATE	CERTIFICATE NUMBER	FILE NUMBER
September 1, 2014	August 31, 2017	010299965-001	3917
TYPE OF BROADCASTING UNDERTAKING		SERVICE AREA	CALL SIGN
DTV		Calgary, AB	CBRT-DT
ON-AIR DATE	ACCOUNT NUMBER	LATEST TECHNICAL SUBMISSION DATE	
October 3, 2013	075000009397	September 27, 2013	

Subject to provisions of the *Radiocommunication Act* and Regulations made thereunder and the conditions herein.

CBC/ Radio-Canada
1400 Boul Rene-Levesque E, Local A2-30

Additional information

- Find available call signs:

Home → Internet, Radio and Wireless → [Spectrum Management System](#)

Spectrum Management System

Spectrum Management System Data

Web Site Registration

Radiocommunication Licensing Services

Equipment Certification and Registration Services

Broadcasting Services

Broadcasting Services

Browse or Print your Certificate

Apply for a Broadcasting Certificate

Download Broadcasting Database

Download Broadcasting Contours - MapInfo

View Available Callsign List

Available Callsign List for Broadcasting Stations

- Use these options to browse the Available Callsign List for Broadcasting Stations.

Available Callsign List

List of Available Callsign For Broadcasting Stations

CFAG	CFAJ	CFAO	CFAS	CFAU	CFAV	CFAW	CFAY	CFBB	CFBH	CFBJ	CFBP	CFBQ
CFCD	CFCG	CFCH	CFCI	CFCL	CFCQ	CFCT	CFCZ	CFDB	CFDF	CFDG	CFDH	CFDI
CFDJ	CFDK	CFDN	CFDO	CFDP	CFDQ	CFDR	CFDS	CFDT	CFDU	CFDW	CFDX	CFDZ
CFEC	CFED	CFEE	CFEF	CFEH	CFEJ	CFEK	CFEO	CFEQ	CFES	CFEU	CFEV	CFEW

Questions

- ISED Broadcasting email:
IC.Broadcasting-Radiodiffusion.IC@canada.ca
- New ISED telephone number for Broadcasting enquiries:
[343-291-1568](tel:343-291-1568)
- RIC-66 - Addresses and Telephone Numbers of Regional and District Offices
<http://www.ic.gc.ca/eic/site/smt-gst.nsf/eng/sf01742.html>

Canada 