



DTV application process – 600 MHz repacking

November 21, 2016



Contents

Introduction

Application

- Simplified
 - Criteria, some limitations, and requirements
 - Forms and brief
- Standard

Process

- Streamlined
 - Criteria, overview, details, and timelines
- Standard
 - Overview, and some details

Summary

Questions / Feedback

References

Introduction

- As with 2011 DTV transition, and to facilitate the transition for this 600 MHz repacking, ISED plans to introduce, where possible:
 - Simplified application requirements; and,
 - Streamlining in the application process
- More opportunities for simplification and streamlining in this transition as compared to 2011 transition
- Enables Broadcasters and the Department to meet transition dates
- Allows for an efficient transition

Simplified application – criteria and some limitations

Criteria – Which applications qualify?

- DTV Applications conforming to the Plan:
 - Same channel and phase as in *Joint Canada-United States DTV Allotment Plan* (the Plan)
 - Noise-limited bounding contour not exceeding contour as calculated using reference parameters in the Plan

Limitations – Where are we not able to simplify?

- All broadcasting applications require entry of mandatory data in our database
 - Cannot remove requirement, but applicants who file on-line can access their current parameters in database and only enter modified or missing data

Simplified application – requirements

Required*

- ✓ Application (pdf or online)
- ✓ Antenna pattern data (electronic text file)
- ✓ Antenna systems attestation (pdf or online)
- ✓ Assessment of exposure to RF Energy
- ✓ Where applicable, special analyses relative to FM and land mobile

Not Required

- ✗ Electronic contours
- ✗ Bounding contour table
- ✗ Interference analyses relative to other TV undertakings
- ✗ Notifications to other TV undertakings
- ✗ Maps showing:
 - ✗ Noise-limited bounding contour
 - ✗ Digital urban contour
 - ✗ Protected areas
 - ✗ Interference
 - ✗ Comparative contours

* All existing requirements from BPR-10 less those listed as “Not Required”

Simplified application – forms and brief

- Existing application forms
 - Regular power and low power, pdf or online
 - online entry simplifies and expedites application submission
 - Options to retrieve existing data from ISED database for review and modification
 - Validation reduces errors or omissions
- Changes to accompanying technical brief
 - Simplification results from reduced requirements, as noted in prior slide

(Note: Any information entered in application form does not need to be replicated in technical brief)

Standard application

- Applications not meeting simplified application criteria require all details, analyses and notifications, where applicable, as per BPR-10
- Applications not qualifying for the simplified application may still meet the criteria for streamlined application process
 - e.g. Minor adjustments with respect to the reference parameters in the Plan:
 - ✗ Simplified application not applicable
 - ✓ Streamlined process may still apply

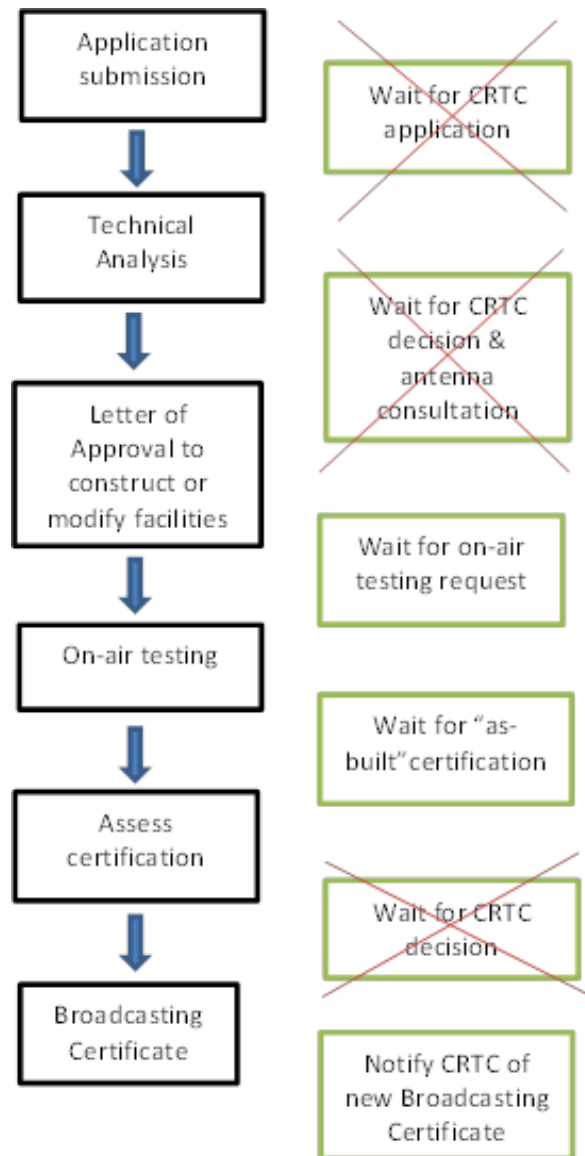
Streamlined Process – Criteria

Must satisfy all of the following conditions to qualify for complete streamlined process:

- Same channel and phase as in Joint Canada-United States DTV Allotment Plan (the Plan)
- Noise-limited bounding contour not exceeding contour as calculated using reference parameters in the Plan by more than 1% in any direction and not causing more than 0.5% increase in interference to population to any allotment within the Plan
 - Allows for minor adjustments where there are difficulties in implementing reference parameters from the plan
- Proposed antenna structure satisfies criteria for exclusion in Section 6 of CPC-2-0-03, *Radiocommunication and Broadcasting Antenna Systems*
 - exclusion from land-use authority and public consultation requirements

Standard processes are triggered when a condition is not met

Streamlined Process - Overview



- Simplifications regarding interactions with CRTC are conditional on the CRTC's hearing results for their proposed streamlining
- Does not require antenna consultation process:
 - Using existing tower and increasing height no more than 25% higher, OR
 - Using temporary tower for no more than 3 months
- Further streamlining found in details of ISED steps

Streamlined Process – Details



Application submission:

- At least 1 year in advance of end of scheduled transition phase
- Will involve simplified application in many cases

Technical analysis:

- Reduced complexity since many considerations already taken into account in development of the Plan
- Priority for processing based on applications following the Plan and scheduled transition phase

Streamlined Process – Details



Letter of Approval to modify facilities

- Issued upon approval of technical parameters
 - No waiting for antenna consultation noting streamlined process involves antenna installations meeting exclusions from land-use authority and public consultation requirements
- Expiry date associated with end of scheduled transition phase

Streamlined Process – Details



On-Air Testing

- On-air testing limited to within specific period allotted for each transition phase
 - No testing before or after this period
 - 3 weeks of testing required
 - Pre-allotment assignment to go off-air and post-allotment assignment to go operational by end of transition phase

Streamlined Process – Details



On-Air Testing (cont.)

- Request to start on-air testing required 1 week in advance
- ISED on-site inspection not required to start on-air testing
- No specific on-air testing messages every 15 minutes – standard hourly identification messages still required
- Submit information regarding interference or complaints reported during on-air tests

Streamlined Process – Details



“As-built” Certification

- To be submitted within one month of completion of on-air testing
- “As-built” parameters conform to those in application?
 - YES – Simple attestation to this effect and emission mask compliance statement
 - NO – Details of installed parameters and emission mask compliance statement

Streamlined Process – Details



Broadcasting Certificate

- Cases where “as built” certification may not be received or assessed prior to the end of scheduled transition phase
 - Amendment to broadcasting certificate will be authorized with conditions subject to the receipt and assessment of “as built” certification
 - Transfers authorization from pre-allotment assignment to post-allotment assignment, as per application parameters
 - Subsequent assessment of “as-built” certification may trigger further amendments to certificate or requirement for broadcaster to bring station closer in line with approved application parameters
- CRTC notified once final broadcasting certificate is issued

Streamlined Process – Timelines

Processing timelines (estimated)

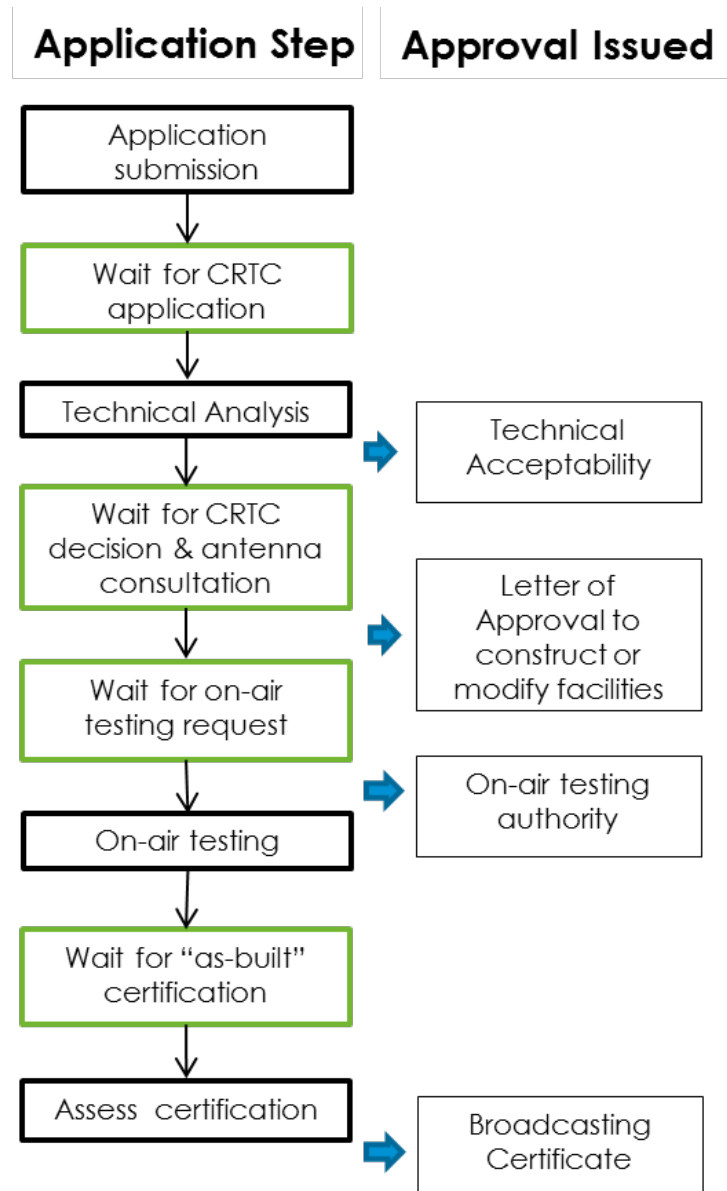
- Application submission to Broadcasting certificate = 1 year
 - Estimated times may vary depending on volume of applications being processed
 - “On-air testing to Broadcasting Certificate” may be shorter if the period allotted for on-air testing in a phase is shorter than 1.5 months
 - Does not include delays due to non-online application submissions or missing / corrected information from applicant or agent



Standard Process

- Any TV / DTV application not meeting all criteria for streamlined process will need to follow standard process
- Applications not qualifying for the complete streamlined process would not meet the criteria for the simplified application
 - ✗ Complete streamlined process not applicable
 - ✗ Simplified application would not apply

Standard Process - Overview



Examples of standard processes as compared to streamlined process:

- CRTC application is required if the application is not as a result of ISED's repurposing initiative
- Technical analysis is likely to be more complex for an assignment not conforming to the Plan and may involve international coordination
- Antenna consultation is required if the antenna installation does not meet exclusion criteria

Standard Process – Some details

- For stations requiring to transition, timelines for letter of approval and on-air testing are still linked to transition phase
- Standard applications should be submitted:
 - within 6 months of publishing of Transition Plan
 - must be submitted with streamlined applications for the same station
- ISED may only be able to process the streamlined application to meet the scheduled transition date for the station, taking into account the following:
 - increased timelines associated with the standard process
 - priority given to applications following streamlined process

Summary

- Stations requiring to transition, and excluded from land-use authority and public consultation requirements:
 - meeting the reference parameters in the Plan,
 - ✓ Simplified application
 - ✓ Streamlined process
 - exceeding the reference parameters in the Plan by no more than tolerance considered as minor adjustment (1% coverage and 0.5% population)
 - ✗ Simplified application does not apply (requires contour calculations, some interference analysis, and possible notifications)
 - ✓ Streamlined process
- Stations not meeting any of the above:
 - ✗ Simplified application does not apply
 - ✗ Streamlined process does not apply

Questions / Feedback

- ISED Broadcasting email:
IC.Broadcasting-Radiodiffusion.IC@canada.ca

References

Application forms:

- online: http://sms-sgs.ic.gc.ca/eic/site/sms-sgs-prod.nsf/eng/h_00015.html
- pdf: http://www.ic.gc.ca/eic/site/smt-gst.nsf/eng/h_sf01700.html#broadcasting

Broadcasting Procedures and Rules (BPR):

- BPR-1 – General Rules: <http://www.ic.gc.ca/eic/site/smt-gst.nsf/eng/sf01326.html>
- BPR-4 - Application Procedures and Rules for Television Broadcasting Undertakings: <http://www.ic.gc.ca/eic/site/smt-gst.nsf/eng/sf01154.html>
- BPR-10 – Application Procedures and Rules for Digital Television (DTV) Undertakings: <http://www.ic.gc.ca/eic/site/smt-gst.nsf/eng/sf09574.html>

Canada