

# The Road to 2030



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# Opportunities

- Frequency bands
- Rural spectrum access
- Pole access
- Transport access



# Obligations

- WBS co-ordination
- WBS reporting
- Broadband Map
- Outage Reporting
- Cyber-security
- Accessibility

# 3650-3700 MHz Sunset

**By March 31,  
2025 or 2027**



# TV White Space Band

## TV White Space

- 470 MHz - 608 MHz
- 6 MHz channels can be combined
- Long propagation distance through trees
- Difficult to deliver 50/10
- Suitable for extremely rural areas





# Licence-Exempt Bands



## 5 GHz

- 5150-5250 MHz
- 5250-5350 MHz DFS
- 5470-5600 and DFS
- 5650-5725 MHz DFS
- 5725-5850 MHz
- 5850-5925 MHz **SOON!**
- Different power levels for each



## 6 GHz Standard Power

- 5925-6875 MHz (950 MHz)
- Maximum channel size 320 MHz
- Maximum EIRP 36 dBm

# mmWave Bands

## 60 GHz

- 57 GHz to 71 GHz
- Licence-exempt



## 26, 28, and 38 GHz

- 26.5 - 28.35 GHz (1.85 GHz)
- 37.6 - 40 GHz (2.4 GHz)
- Non-competitive licensing, auctioned, or both.

# 3 GHz Bands



## **3800 MHz**

- **Auction will begin October 24, 2023**
- **Applications are due July 25, 2023**

## **3900-3980 MHz**

- **Consultation in progress**



# Spectrum Access

## Access Licensing Framework

- Still pending decision

## Subordinate Licensing

- No Activity

## Bill S-242

- 50% deployment requirement
- CanWISP engaging with Senate Committee





# Pole Access

## **CRTC 2023-31**

- **Access request reporting**
- **Justification for access denial**
- **Pole owner must upgrade substandard poles**
- **Streamlined make-ready work**
- **Significant contributions from CCSA and TekSavvy**

# Transport Access

- **Currently unregulated by the CRTC**
- **Required as a condition of broadband funds, but seldom accessible in practice**



# Obligations





# WBS Co-ordination

**Until the Displacement Deadline:  
(March 31 2025 or 2027)**

- **WBS operators and auction winners in the 3450-3650 MHz band must co-ordinate with each other.**
- **WBS operations are protected from interference from auction winners in the 3650-3900 MHz band.**



# ISED Broadband Map and Data Uploads

## Data Uploads

- Required to assert WBS rights.

## Broadband Map

- Currently unavailable for wireless uploads
- Used to evaluate funding applications





# Outage Reporting

## **CRTC 2023-39**

- **Report major outages within 2 hours**
- **File report within 14 days**
- **Consultation underway on reporting requirements**



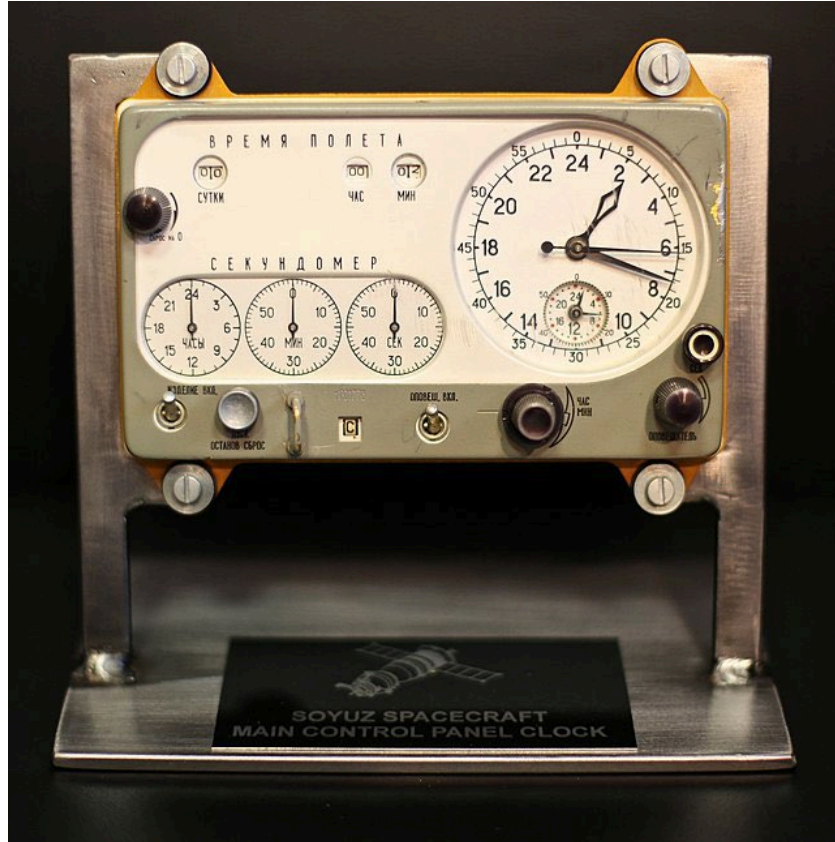


# Accessibility

- Covered by Chris Copeland and Catherine Cliff



# Speed Reporting



- **Bill C-288 proposes reporting service speed and quality during peak periods.**





# Cyber-Security

## Bill C-26

- Proposes Cyber-Security plan and reporting requirements



# **Radio Advisory Board of Canada**

- **Participate in technical meetings!**
- **Hear directly from ISED!**
- **Gain prestige and recognition!**



**RADIO ADVISORY  
BOARD OF CANADA**

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**CONSEIL CONSULTATIF  
CANADIEN DE LA RADIO**

# Thanks



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