

## TRACKSIDE RADIO SYSTEM SPECIAL INSTRUCTIONS

### Point to Train System

Type of call:	Switch to:	Dial:	Listen for: (tone)	Action:
<b>Emergency</b> Call-in to RTC	RTC Call-in Channel	911	"OK" + 8 seconds + "EMERGENCY"	Broadcast: "Emergency, Emergency, Emergency". * Return to Train Standby Channel. Wait for RTC to respond.
Normal Call-in to RTC	RTC Call-in Channel	*(Z)1#	"OK" + 8 seconds + "RINGBACK"	Return to Train Standby Channel. Wait for RTC to respond.
Normal Call-in to RTC [Alternate procedure]	RTC Call-in Channel	*(Z)16# *(Z)16(L)# for additional information to be added to the call.	"OK" + 8 seconds + "RINGBACK"	Switch to RTC Authorities Channel. [if no Authorities Channel, switch to Train Standby Channel] Wait for RTC to respond.
Extended Repeater Operation to Utility	RTC Call-in Channel	*(Z)NXXX#	"OK" + 8 seconds + "RINGING" + "EXT RPTR CONNECT"	Switch to Train Standby Channel. Voice call person being called. Switch to RTC Call-in Channel and dial *(Z)# to disconnect.
To access Time Signal in your area	Utility or RTC Call-in Channel	*(Z)TTTT#	"OK" + 8 seconds + voice time signal	Dial *(Z)# to disconnect.

### Utility System

Type of call:	Switch to:	Dial:	Listen for: (tone)	Action:
<b>Emergency</b> Call-in to RTC	Utility Channel	911	"OK" + 8 seconds + "EMERGENCY"	Broadcast: "Emergency, Emergency, Emergency". * Wait for RTC to respond.
Normal Call-in to RTC	Utility Channel	*(Z)1#	"OK" + 8 seconds + "RINGBACK"	Wait for RTC to respond.
Normal Call-in to RTC [Alternate procedure]	Utility Channel	*(Z)16# *(Z)16(L)# for additional infor- mation to be added to the call.	"OK" + 8 seconds + "RINGBACK"	Wait for RTC to respond.
Local Repeater Operation	Utility Channel	*(Z)XXX#	"OK"	Voice call person being called. Dial *(Z)# to disconnect.
Extended Repeater Operation to Utility or Point to Train	Utility Channel	*(Z)NXXX#	"OK" + 8 seconds + "RINGING" + "EXT RPTR CONNECT"	Voice call person being called. Dial *(Z)# to disconnect.
Diesel Specialist Calgary	Utility Channel	*(Z)1110#	"OK" + 8 seconds + "RINGBACK"	Wait for Specialist to answer. Dial *(Z)# to disconnect
Engineering Services Service Reliability Calgary	Utility Channel	*(Z)1106#	"OK" + 8 seconds + "RINGBACK"	Wait for S&C Support to answer. Dial *(Z)# to disconnect.
To access Time Signal in your area	Utility or RTC Call-in Channel	*(Z)TTTT#	"OK" + 8 seconds + voice time signal	Dial *(Z)# to disconnect.

\* You have 10 seconds to make this broadcast.

## TRACKSIDE RADIO SYSTEM SPECIAL INSTRUCTIONS

### Radio Telephone Interface (RTI) System (See RTI Notes)

Type of call:	Switch to:	Dial:	Listen for: (tone)	Action:
<b>Emergency</b> Call-in to RTC	Utility Channel**	* *XXX9#	"OK" + 8 seconds + "RINGING"	Wait for RTC to respond.
Normal Call-in to RTC	Utility Channel**	* *XXX1#	"OK" + 8 seconds + "Voice Instructions"	Follow Voice Instructions. Wait for RTC to respond.
Diesel Specialist Calgary	Utility Channel**	* *XXX5#	"OK" + 8 seconds + "RINGING"	Wait for Specialist to answer. Dial *(Z)# to disconnect
Engineering Services Service Reliability Calgary	Utility Channel**	* *XXX4#	"OK" + 8 seconds + "Voice Instructions"	Follow Voice Instructions. Dial *(Z)# to disconnect.

\*\* If a Utility Channel is not provided, use the Train Standby Channel. When using the Train Standby Channel you must wait for the voice message to end before selecting your choice. Failure to do so will result in a call-in failure.

#### Notes

Train Standby and Maintenance of Way channels, Point to Train and Utility RTC Call-in Channels and tower codes are indicated in subdivision station columns. Zone Codes, and instructions to contact the Diesel Specialist or the Engineering Services Service Reliability and to access the Time Signal are indicated in subdivision footnotes.

#### Radio Telephone Interface (RTI) System

The RTI is a backup communication system between office and field, and should only be used when you hear a "Call Failed" tone when trying to call-in, or when instructed to do so. It must be used when participating in a planned exercise at CP's Business Continuity Facility (BCF).

#### Codes

"(L)" ..... denotes a number for additional information to be added to call as follows:

- 1 - Request TOP
- 2 - Cancel TOP
- 3 - Information required
- 4 - Switch or Snow Melter operation required
- 5 - Restored switch
- 6 - Investigate UTO
- 9 - Parks Canada.

"(Z)" ..... denotes Zone Code indicated in Subdivision footnotes, the zone code is for the area you are calling from.

"N" ..... denotes Node Number, Node numbers are 5 for subdivisions west of Dorion, and 4 for subdivisions east of Dorion, including the M&O Subdivision.

"XXX" ..... denotes Tower Code as indicated in Subdivision station columns (nearest tower or tower you wish to connect to).

"TTTT" ..... denotes Time Signal Device Code as follows:

- 9777 - Pacific Time Zone
- 9776 - Mountain Time Zone
- 9775 - Saskatchewan (Central Standard)
- 9778 - Central Time Zone
- 9779 - Eastern Time Zone.

#### System Radio Tones

- "OK" (2 short beeps) ..... call has reached radio tower
- "RINGBACK" (3 short rings) ..... call has reached RTC's console
- "EMERGENCY" (2 second continuous) ..... call has reached RTC's console
- "RINGING" (normal telephone ring) ..... RTI call is progressing
- "BUSY" (busy signal) ..... system is busy
- "EXT RPTR CONNECT" (1 second continuous) ..... extended repeater is enabled for use
- "INVALID" (9 short beeps) ..... invalid destination called
- "CALL FAILED" (hi-lo or bee-bop) ..... radio site is inoperative



## TRACKSIDE RADIO SYSTEM SPECIAL INSTRUCTIONS

### Use of Extended Repeater Operation

#### EXAMPLE 1 - Point to Train to Utility

Train crew of a train at Dalhousie Mills, Winchester Sub (Module 24) wants to speak to the Manager Track Maintenance near Chesterville (Winchester Tower).

1. Switch to: RTC Call-in Channel CP 3 (AAR 2191) and wait until channel is quiet.
2. Dial: \*35222#
3. Wait for the "OK" tone, then after 8 seconds a "RINGBACK" tone, followed by an "EXT RPTR CONNECT" tone.
4. Switch to Train Stand-by Channel CP 1 (AAR 9191) and voice call the Manager Track Maintenance.
5. When conversation is complete, switch to RTC Call-in Channel CP 3 and dial \*3# to disconnect.

#### EXAMPLE 2 - Utility

The Manager Track Maintenance at Nissouri, Galt Sub (Module 7) wants to speak to the Supervisor Track at Orrs Lake (Ayr Tower).

1. Switch to Utility Channel CP 20 (AAR 3593) and wait until channel is quiet.
2. Dial: \*45422#
3. Wait for the "OK" tone, then after 8 seconds a "RINGING" tone, followed by an "EXT RPTR CONNECT" tone.
4. Voice call the Supervisor Track.
5. When conversation is complete, dial \*4# to disconnect.

#### EXAMPLE 3 - Utility to Point to Train

The Manager Track Maintenance at Baxter, MacTier Sub (Module 13) wants to speak to the crew on a train near Midhurst (Craighurst Tower).

1. Switch to Utility Channel CP 14 (AAR 1571) and wait until channel is quiet.
2. Dial \*65324#
3. Wait for "OK" tone, and after 8 seconds a "RINGING" tone, followed by an "EXT RPTR CONNECT" tone.
4. Voice call the crew on the train.
5. When the conversation is complete, dial \*6# to disconnect.

#### EXAMPLE 4 - Activation of the Utility Repeater

The Track Maintenance Foreman at Ringold, Windsor Sub (Module 25) wants to talk to the S&C Maintainer located outside the range on his radio that is presently on the M/W channel CP13.

1. Switch to the Utility Channel CP 14 and wait until channel is quiet.
2. Dial \*5623#
3. This will activate the repeater. Voice call the S&C Maintainer.  
The S&C Maintainer that is working the M/W channel CP13 will have to switch his radio to the Utility channel CP14 in order to make use of the repeater and answer the call..
4. The repeater will remain active as long as there is activity on the channel. It will de-activate itself after 12 minutes of in-activity.
5. When the call is completed, dial \*5# to de-activate the repeater and return to the M/W channel CP13 to continue working.