

## Encryption Requirements for PSE Radios

Date Created:	February 6, 2020
Last Updated:	June 4, 2021

### Background

Due to the sensitivity of the information relayed on the network, by some agencies (Police/Fire/Ambulance), communications on PSCS can be encrypted as a second layer of security in addition to the network authentication required for each radio.

### Purpose and Scope

To establish and implement a consistent process to ensure encryption is applied to the appropriate radios.

The following agencies must have encryption keys installed on their radios:

1. RCMP
2. Provincial 911 / Brandon Police Services
3. All municipal police agencies
4. All municipal fire departments
5. All Government of Manitoba departments

All other agencies are permitted to have encryption if required for their operations.

See *PSCS Subscriber Guide* for specific details of encryption ordering requirements.

### Process Input

The process is prompted by:

- a) A new radio being placed into service.
- b) A new public safety entity (PSE) is on-boarded that requires encryption.

### Process Flow

1. PSE identifies a need for a new radio(s).
2. PSE or Bell Service Provider sends request for quote to Bell at [BMRadioCC@bell.ca](mailto:BMRadioCC@bell.ca) or

1-833-551-3925.

3. Bell reviews request and creates quote. Quote to include encryption if:
  - a) the PSE is one of the required encrypted users (listed above);
  - b) the PSE requests encryption.
4. Bell sends quote to Bell Service Partner, Bell Service Partner sends quote to PSE.
5. PSE approves quote.
6. Bell orders radios.
7. Bell works with PSE to identify specific encryption requirements during programming template (codeplug) requirements gathering.
8. Bell creates the codeplug based on user requirements, programs radio(s), and keyloads radio(s) with encryption keys.
9. Bell delivers radios to Bell Service Partner or PSE.
10. PSE completes rekey of radio(s), once received.
11. PSE uses encrypted radio(s).

## Version History

Version	Date	Author	Change Description
1.0	March 24, 2020	Manitoba	Initial Release
1.1	May 12, 2021	Bell	Additional details added
1.1	May 28, 2021	Manitoba	Question with regards to programming and minor edit
1.2	June 4, 2021	Bell/Manitoba	Final