Initial thoughts on the RCS dataset

Overview

I think of the dataset as a set of datapoints, one for each land parcel. There are some obvious complexities to be dealt with here (eg identifying the building where service is required), but my approach here is to identify our ideal set of data and then deal with necessary assumptions and approximations to come up with the best available set of data.

Probably the first thing we will need to agree on is whether we want this data to be accurate at an individual land parcel level. Certainly, for the copper review, the answer to this question is 'no', and equally some of the data will not be able to be available at the land parcel level (eg income), and I don't think we want to maintain the database frequently enough to keep it valid at that level of granularity. This will help us deal with the complexities mentioned above.

Data required

Thus, for each land parcel we will want the following data:

1. **Networks confirmed as available at the parcel**
   1.1. Cabinet (ie specific cabinet area)
   1.2. Cell site
      1.2.1. One
      1.2.2. Spark
      1.2.3. 2Degrees
      1.2.4. RCG
   1.3. Fixed wireless (FWA over cellular)
   1.4. Wimax
   1.5. CMAR
   1.6. Fibre
   1.7. VOIP/POTS
2. **Retail services confirmed as available (with provider price(s) for each option) at the parcel**
   2.1. Copper
   2.2. Wimax
   2.3. Mobile
   2.4. FWA
   2.5. Voice
   2.6. TSO? (Y/N)
3. **Current connection**
   3.1. Wholesale service: UCLL/UBA/UCLFS/CMAR/commercial/other
   3.2. Retails service plan and price
   3.3. Headline speed
   3.4. CIR (min speed)
   3.5. Usage
   3.6. Outage data (frequency/duration in last 2 years)
4. **Customer view of service**
   4.1. Usability

4.2. Reliability

4.3. MBNZ data?

Each land parcel will be associated with a cabinet and cell sites. For these we will gather:

1. **By cabinet**
   1.1. Technology (ADSL/VDSL/vectoring/baseband IP)
   1.2. Backhaul capacity connected
   1.3. Standby battery capacity available
2. **By cell site**
   2.1. Technology (4G/5G)
   2.2. Capacity available per FWA connection
   2.3. Backhaul capacity connected
   2.4. Standby battery capacity available