

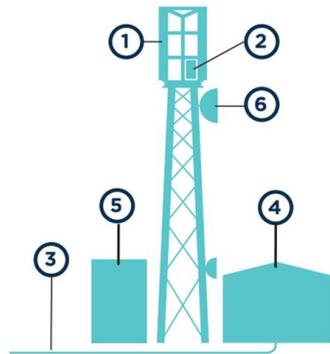


Shared Rural Network Scotland

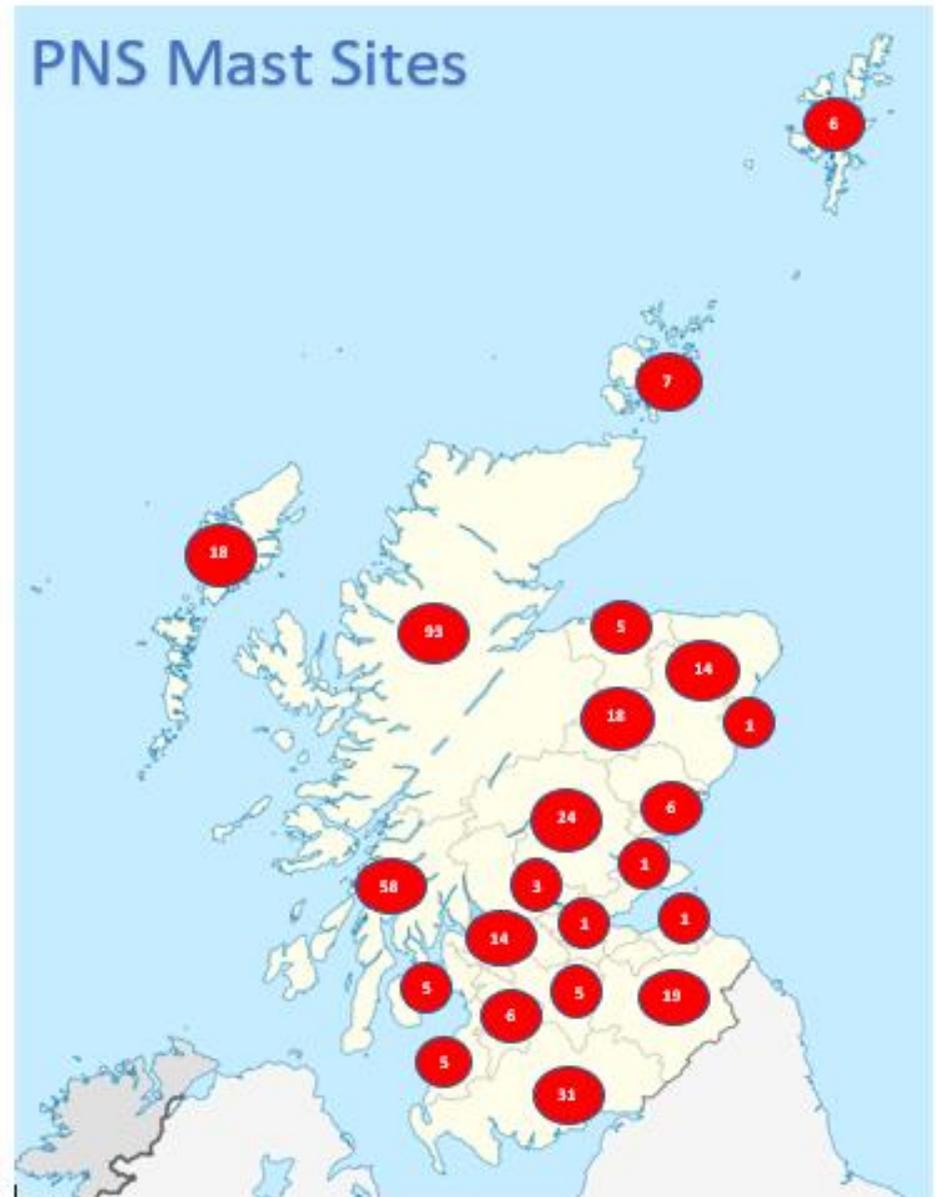
30/10/2023

Scotland

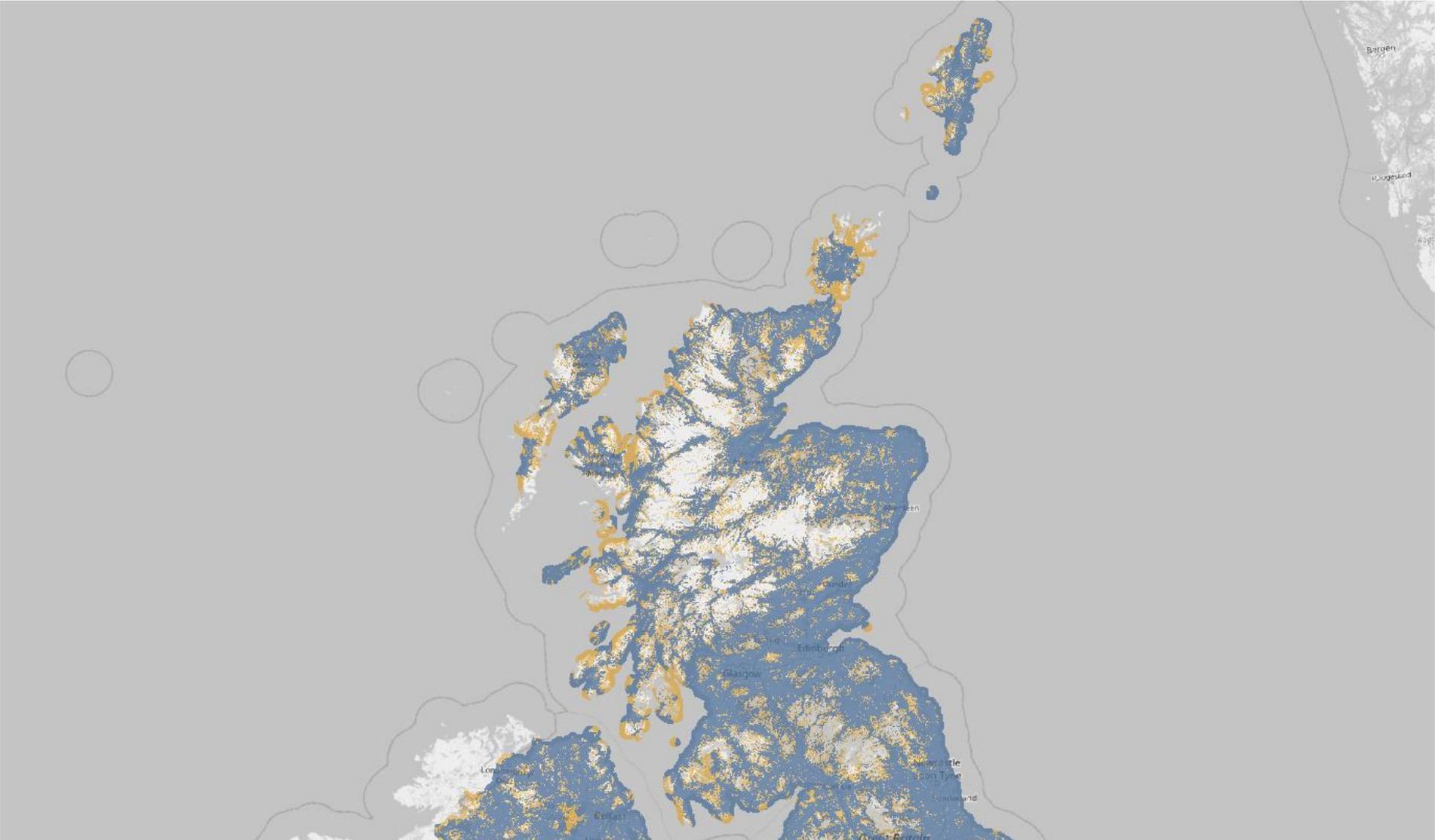
Where are the masts?



- 1 Antennas** - Transmit and receive calls, texts and data to and from your mobile phone via radio waves.
- 2 Radio Unit** - Generates the radio waves transmitted by the antennas.
- 3 Transmission/Backhaul** - Connection back to the mobile operator's network.
- 4 Cabinets** - Contains computers that communicate with other masts. May also contain backup battery power.
- 5 Power** - Provides electrical power to the telecommunications equipment.
- 6 Microwave Dish** - Connection back to the mobile operator's network where no fixed/cable backhaul available.



4G 800MHz live coverage



Coverage Levels

- In-building level coverage
- Outdoor level coverage



Shared Rural Network (SRN)

**Delivers
95% 4G
Coverage**

**74%
National
Park
Coverage**

**84% UK
Coverage
From All
Four UK
MNOs**

**280,000
Premises**

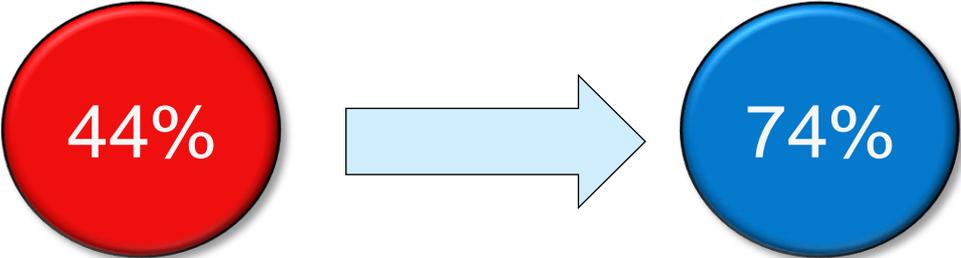
**79%
AONB
Coverage**

**16,000km
Rore UK
Road
Coverage**

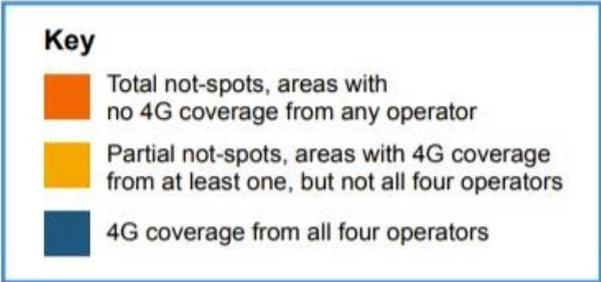
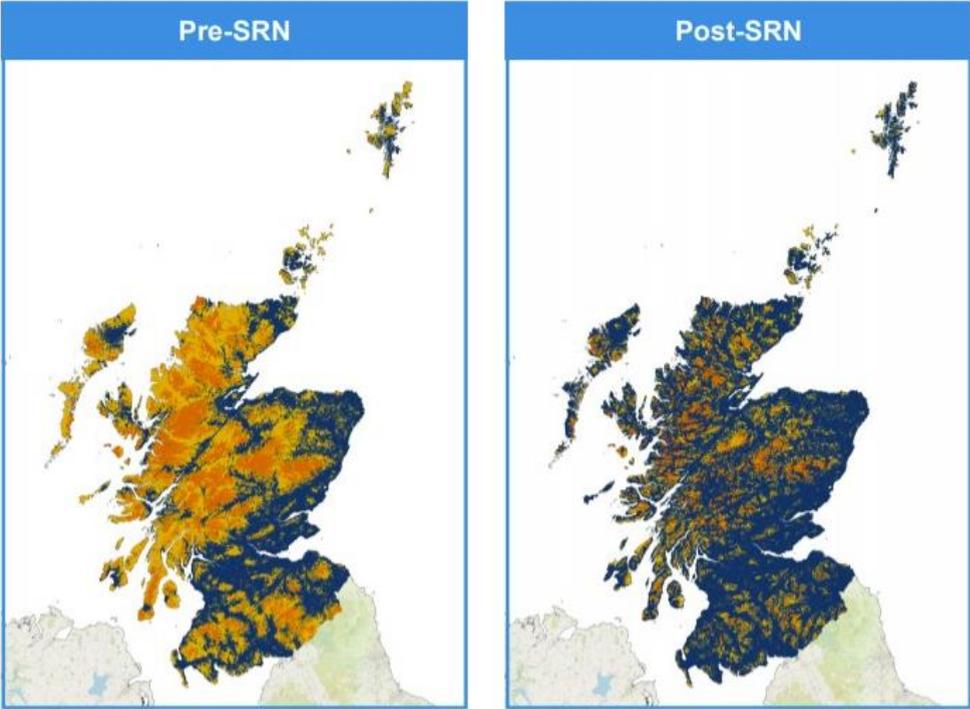
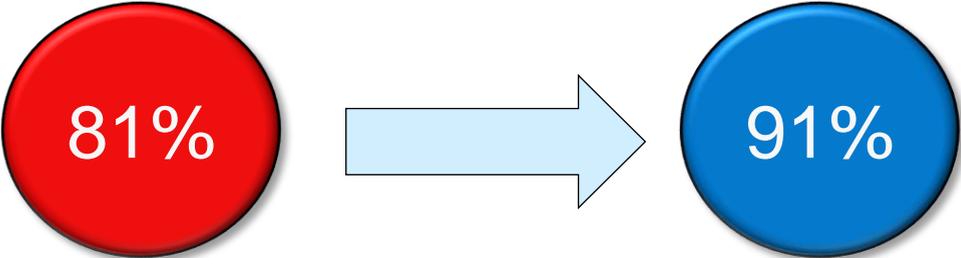


SRN Coverage Forecast Improvements

All Four Operators



At Least One Operator



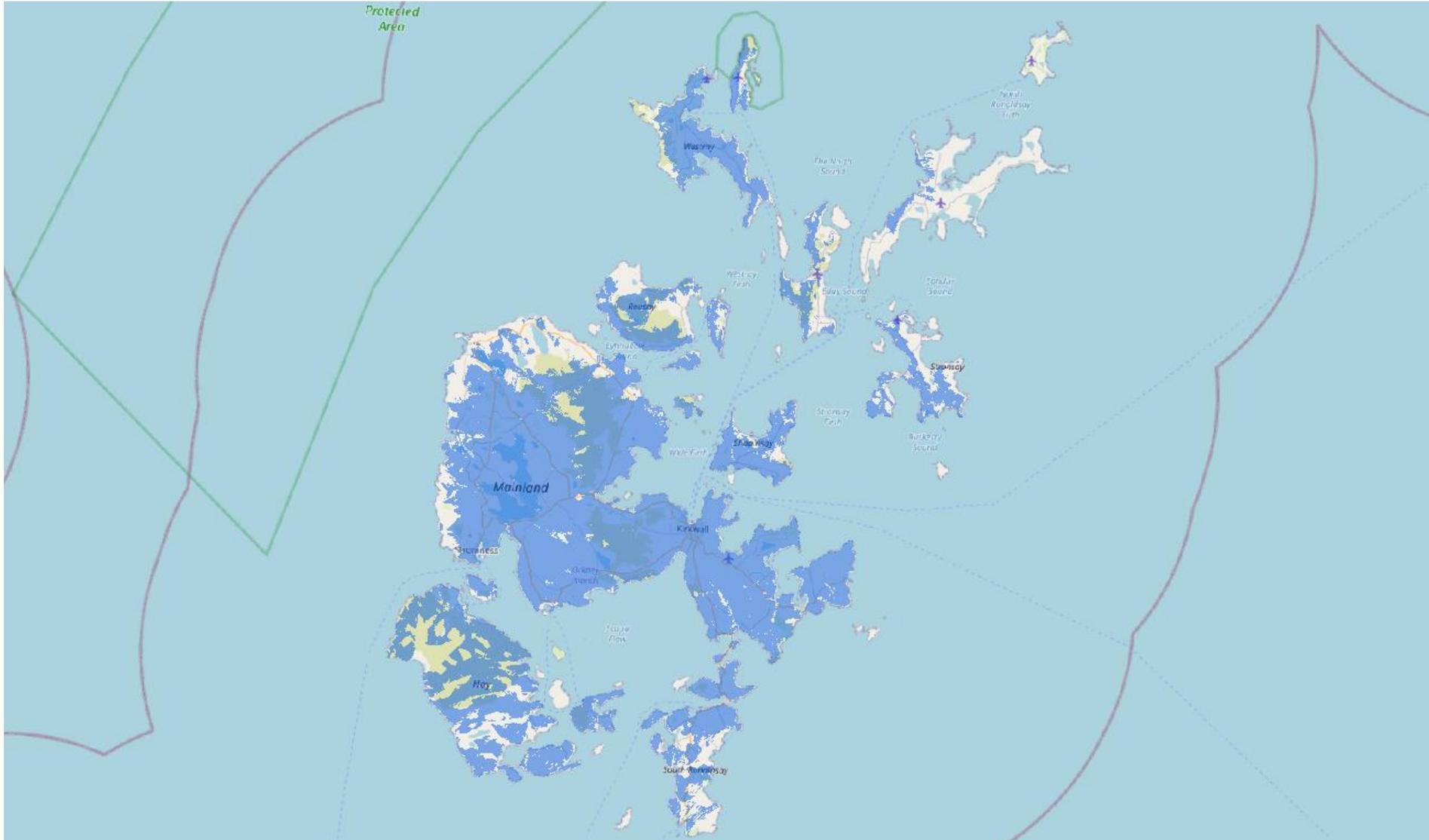
SRN timeline



SRN coverage plans in Orkney



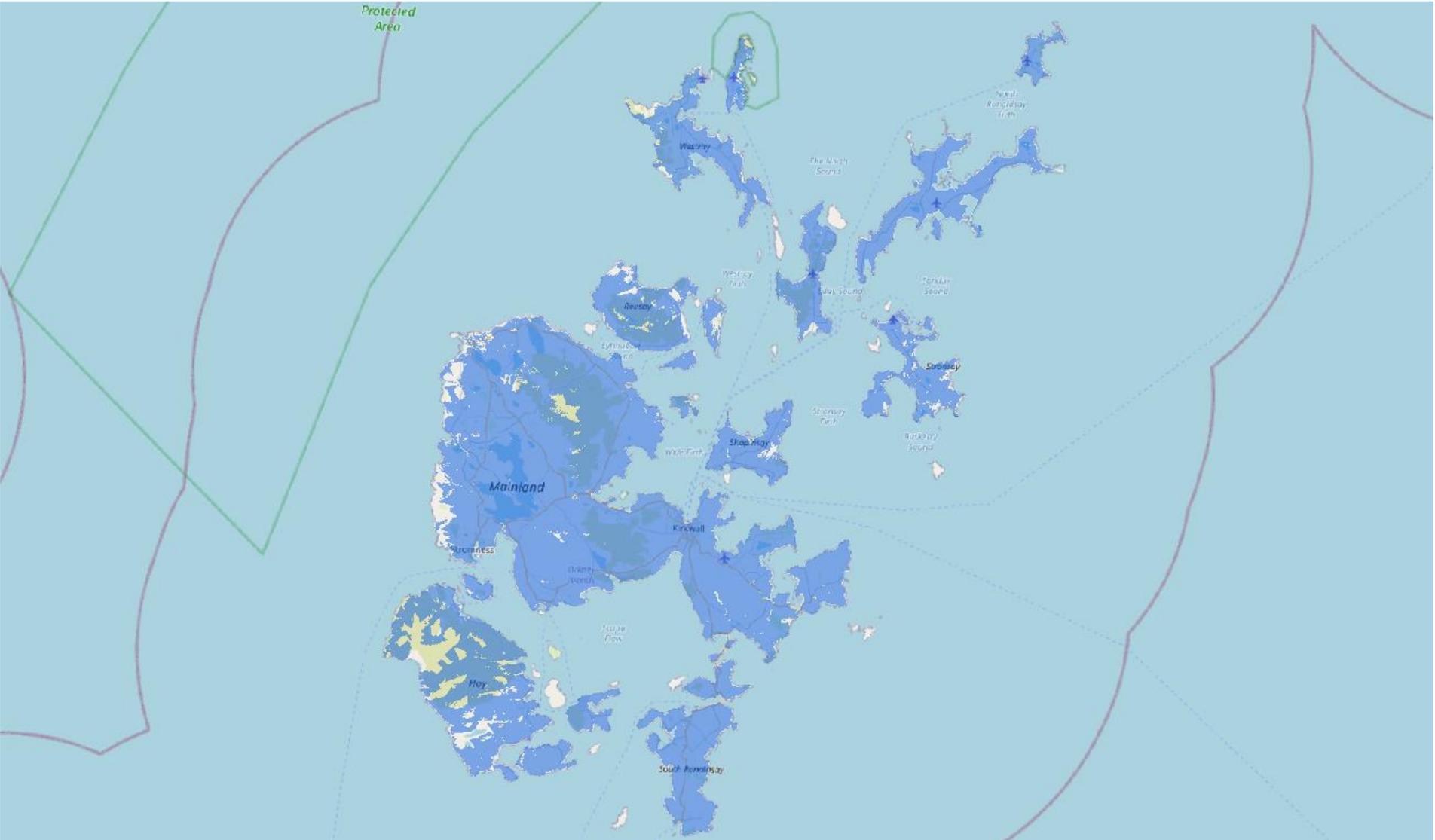
4G live coverage



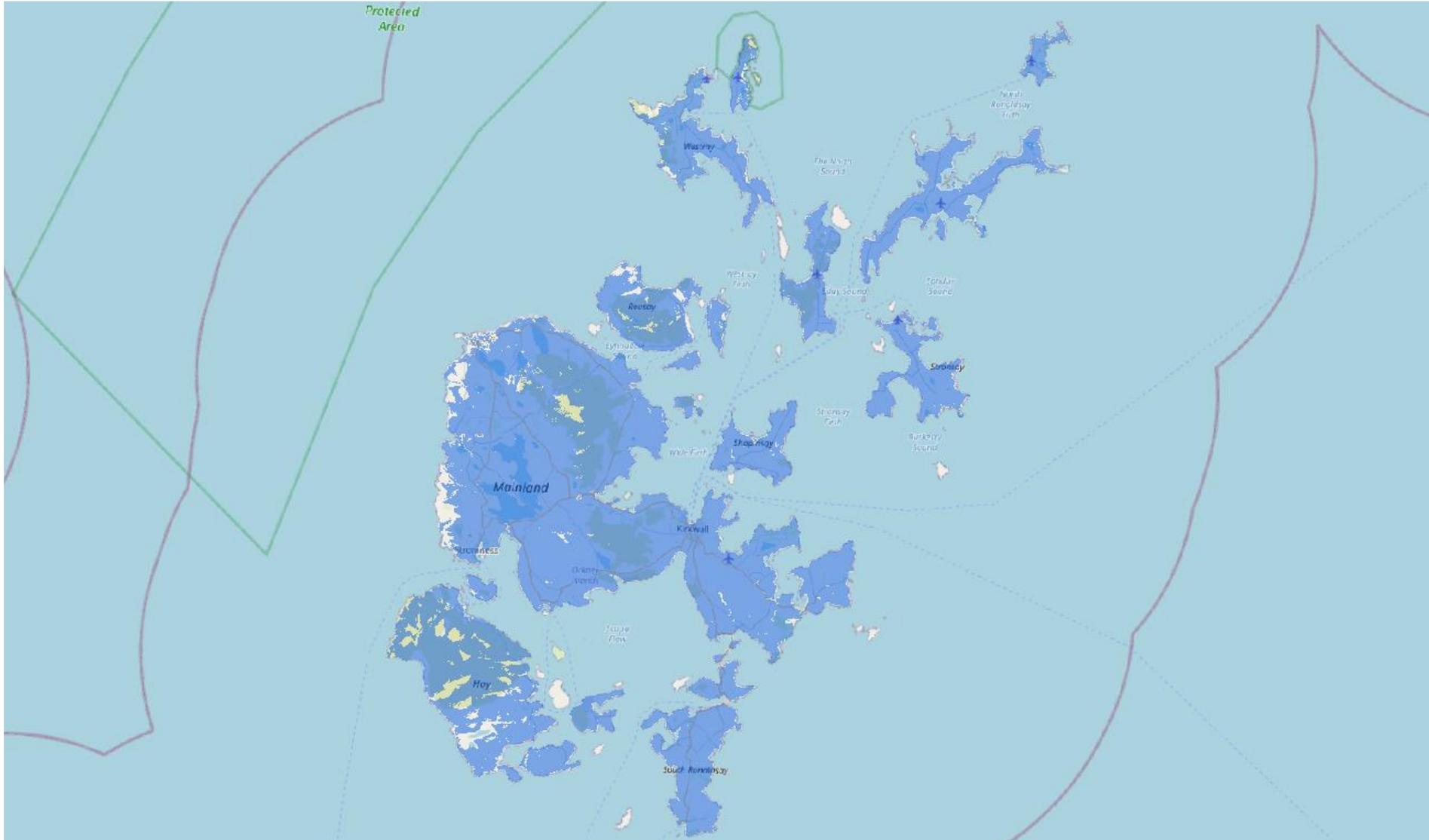
Coverage Levels
■ SRN coverage -105dBm



4G coverage forecast June 2024



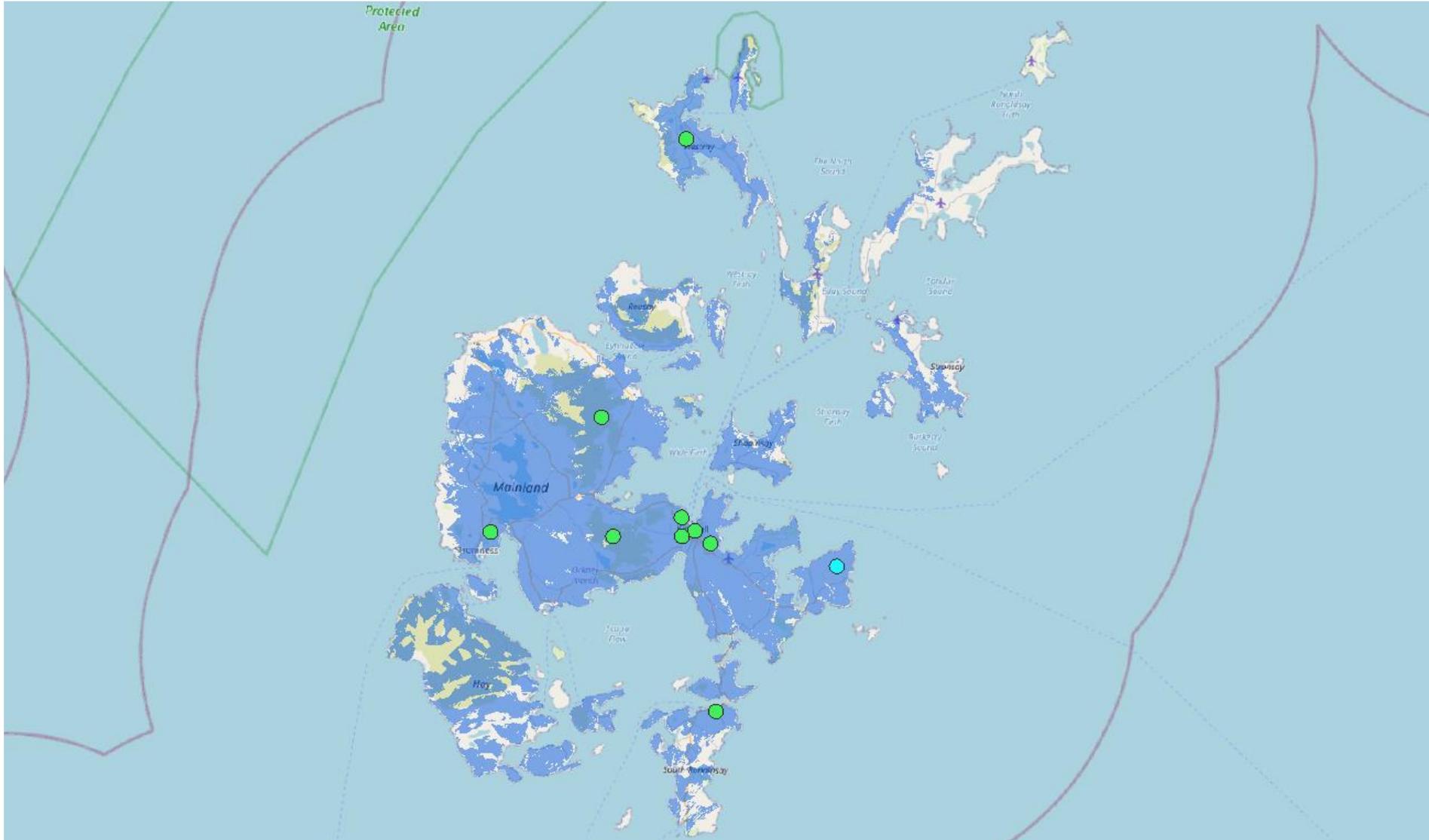
4G coverage forecast 2027



Coverage Levels
■ SRN coverage -105dBm



4G live coverage



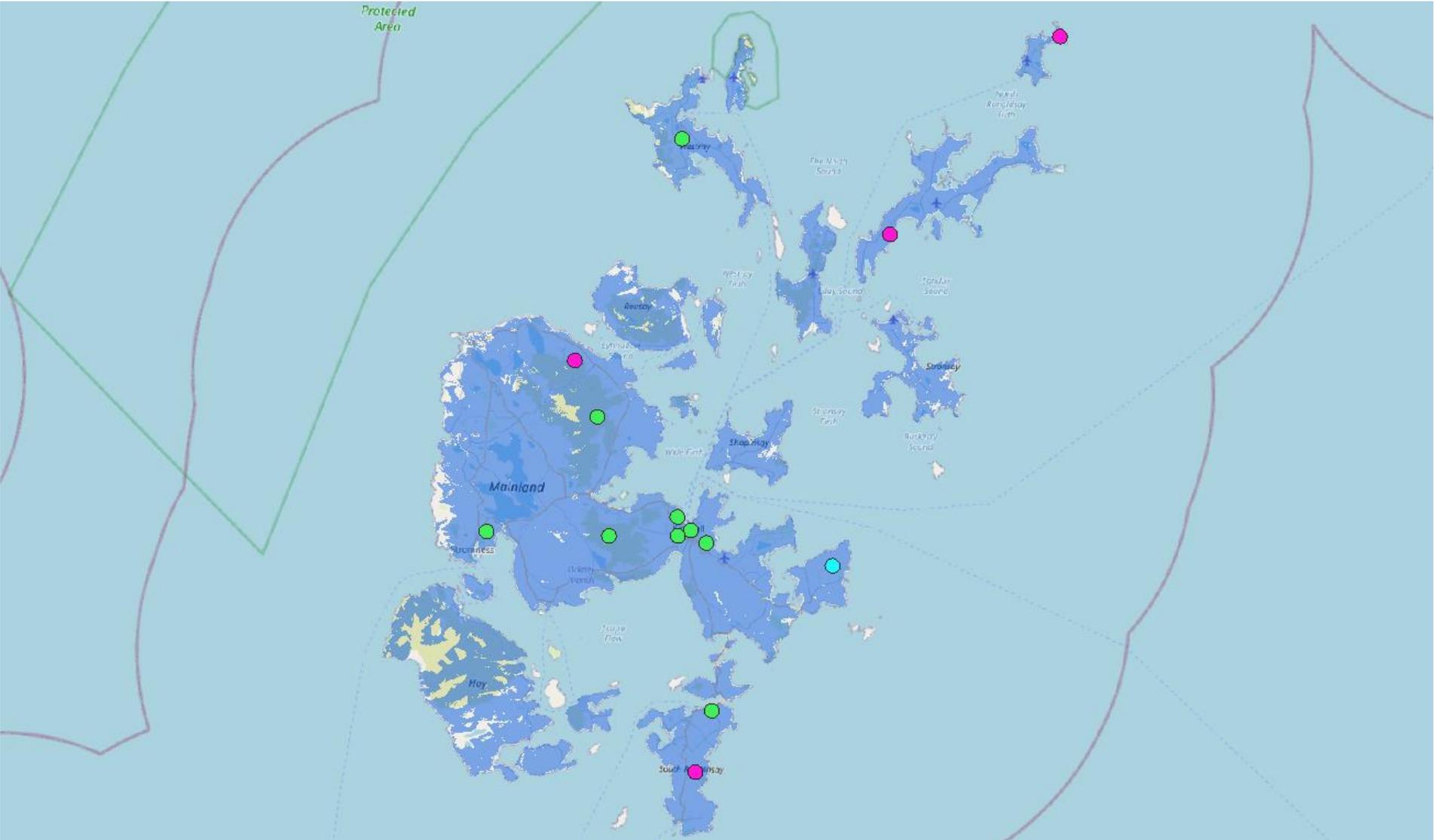
Coverage Levels

SRN coverage -105dBm

Site Legend

- Live 4G site
- Live SRN site

4G coverage forecast June 2024

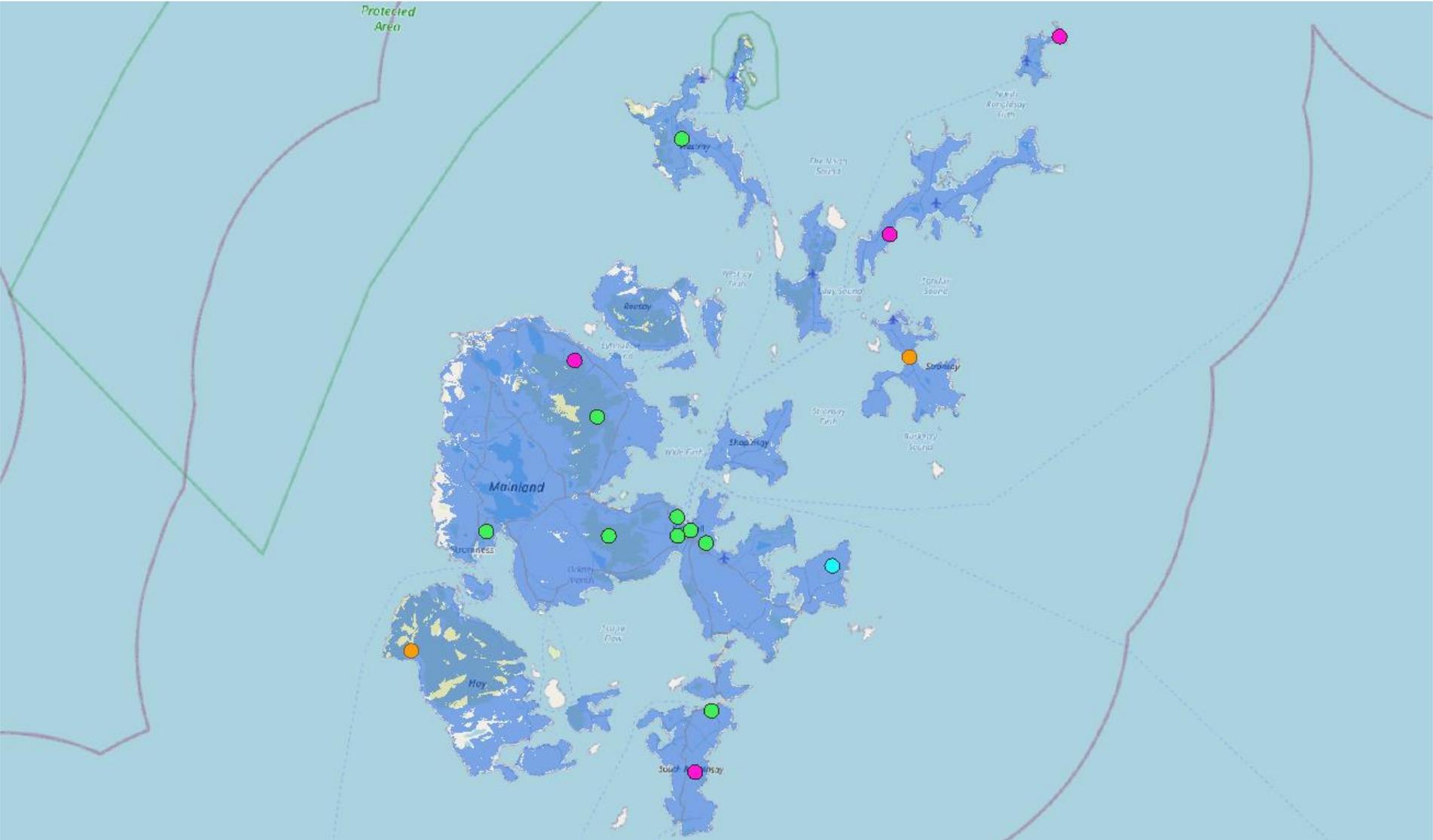


Coverage Levels
SRN coverage -105dBm

Site Legend
Live 4G site
Live SRN site
Planned PNS site



4G coverage forecast 2027



- Coverage Levels**
 - SRN coverage -105dBm
- Site Legend**
 - Live 4G site
 - Live SRN site
 - Planned PNS site
 - Planned EAS site

