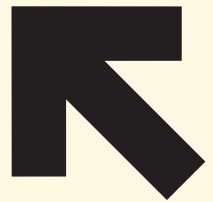
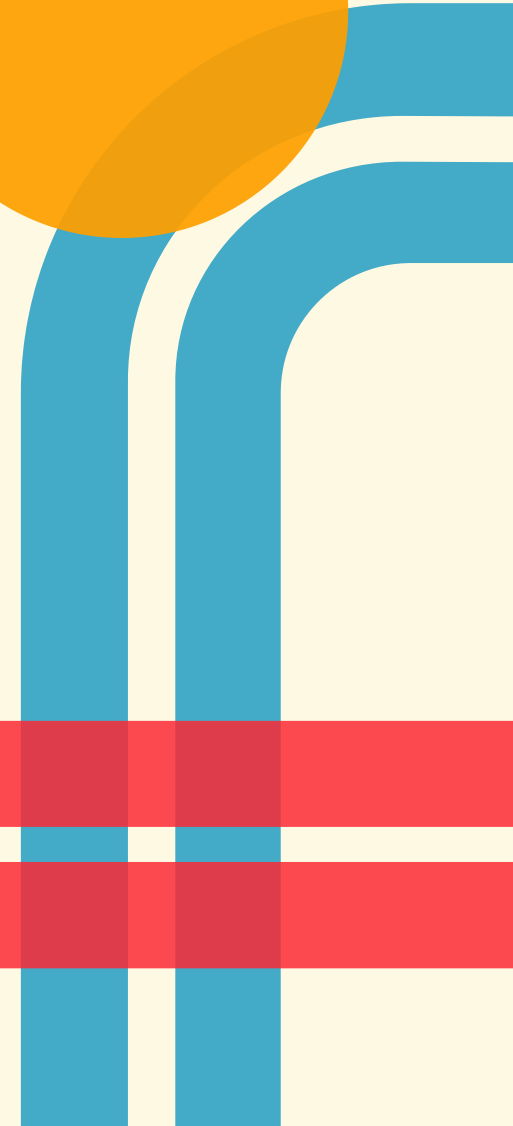




CNC Network Refresh



Strategic Wireless Network Updates



Agenda

Introduction

1

Changes Being Made

2

Benefits of the New Networks

3

Implementation Process

4

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5



Introduction

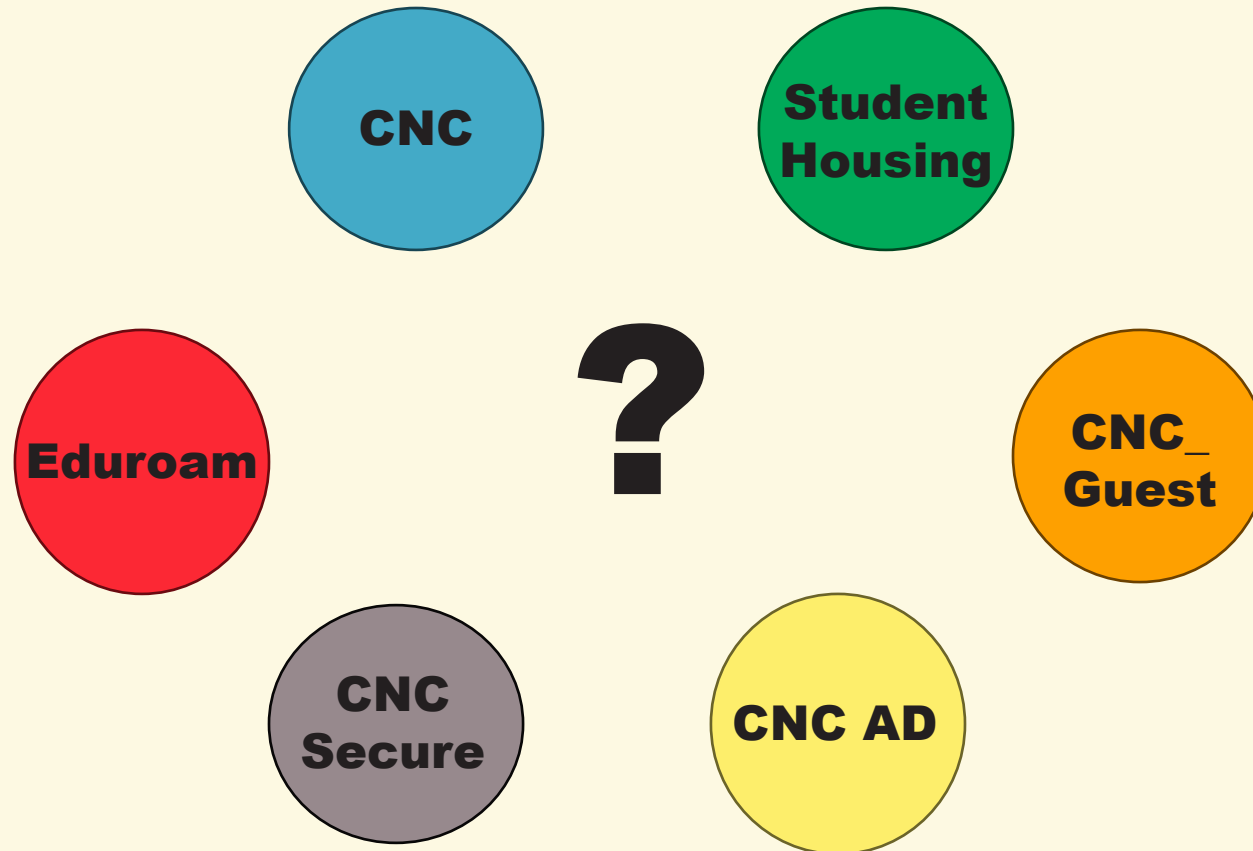
The wireless upgrades will change the way everyone accesses wireless services at CNC across all campuses and buildings. Our aim in doing this is to improve these services for students and employees.





1.1

Our Current State



Currently, CNC's network consists of several wireless networks. This is confusing for users – which one to choose?

The proposed design will offer a simplified list of networks which offer improved services to users across all CNC campuses.

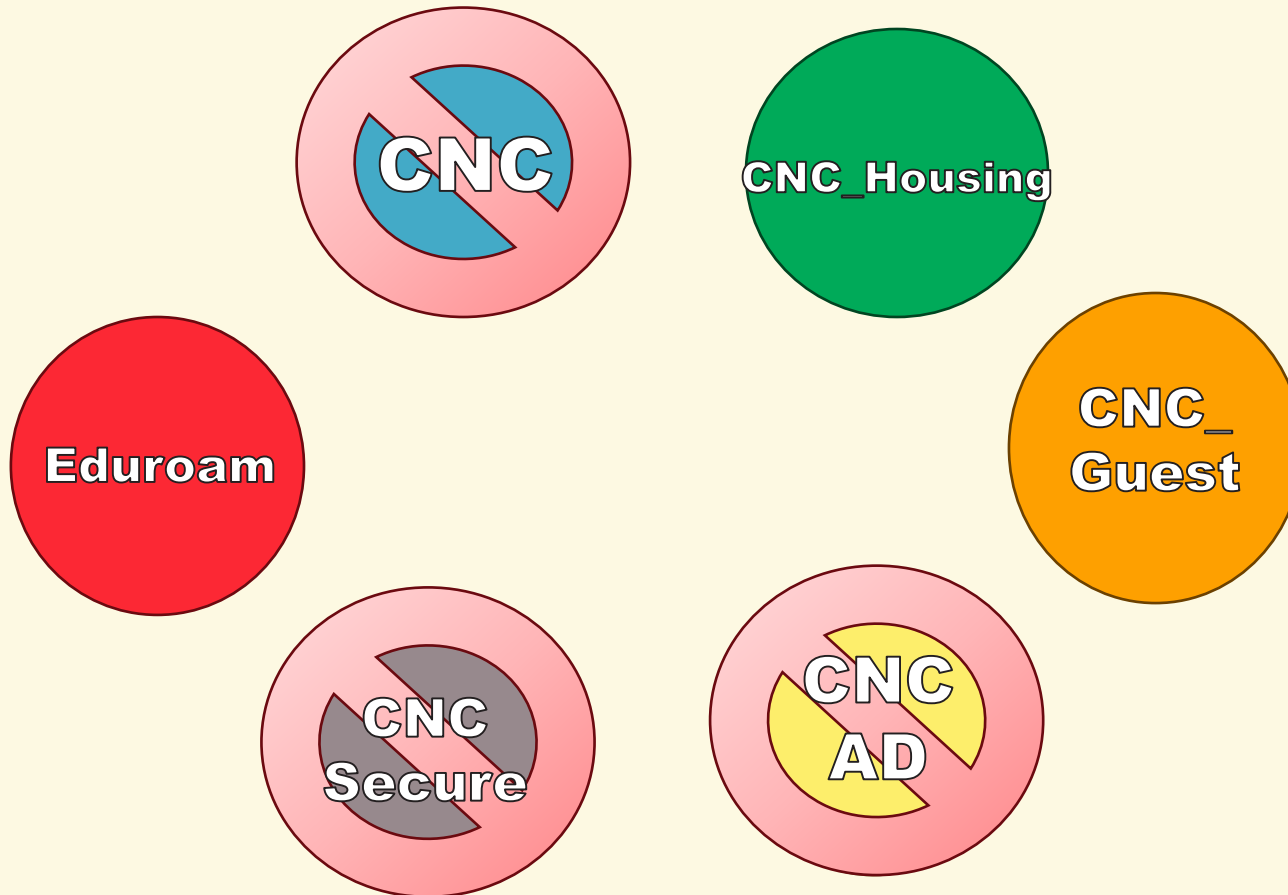
The image features a light cream background with several abstract, thick, rounded lines in green, blue, and red. A green line starts from the left, curves down, and then continues horizontally. A blue line starts from the bottom, curves up, and then continues horizontally, overlapping the green line. A red line starts from the top right and curves down. There are two black dots: one on the green line and one on the blue line. A solid orange circle is positioned on the left side of the image.

Changes Being Made



2

Our Future State



Several of the legacy wireless networks will be going away.

Wireless access will be consolidated into three networks:

**CNC_Guest
CNC_Housing
Eduroam**

Benefits of the New Networks





3

CNC_Guest



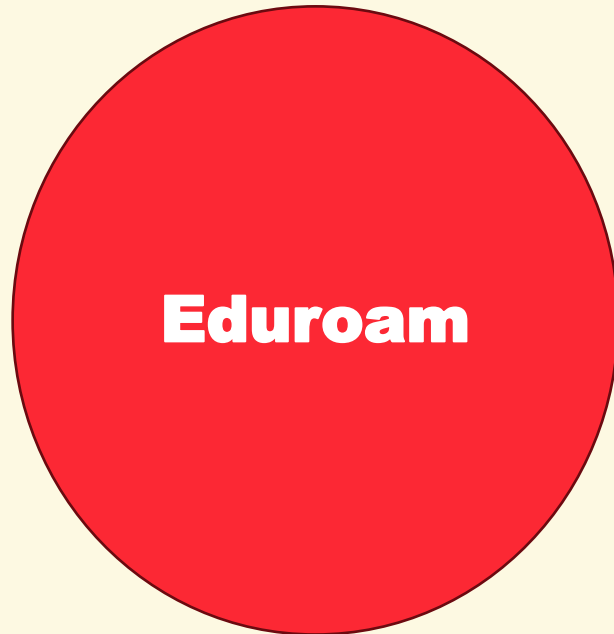
CNC_Guest will be accessed in a new, simpler way. Guests will be able to access internet services at all CNC campuses, and in more locations.

For increased security, this network will only be available during college business hours, which are 6:00 am to 11:00 pm, every day.



3.1

Eduroam



Eduroam will be the primary way to access wireless services. Students, staff, and faculty will be authenticated using their CNC credentials.

Students, staff, and faculty will be able to access the internet at federated campuses and partner sites worldwide without needing to reconfigure their devices. In Prince George, Eduroam is available at UNBC, University Hospital of Northern British Columbia, and the Prince George airport.

Likewise, federated guests will be able to access the internet on CNC campuses.



3.2

Eduroam



On June 15th, Eduroam went live at CNC for use on mobile devices such as phones and tablets.

Later this summer, staff and faculty using Eduroam will also have access to internal CNC resources on their college provided laptops. These resources will include printing, file sharing, and local server and applications resources.





3.3

CNC_Housing

A large green circle with a black outline, containing the text "CNC_Housing" in white, bold, sans-serif font.

CNC_Housing

CNC_Housing will be updated to provide internet services for student devices such as gaming consoles, smart TVs, and other devices which are not supported by Eduroam, which will be available for authorised devices.

Students will be assigned individual pre-shared keys that they can use to provide internet access for their personal guests. Currently, wireless services in the student housing facilities attract unsanctioned users, which is a risk to student safety. This unsanctioned access will be disabled.

Additionally, IT will be able to apply internet access policies specifically for student housing, providing additional, increased security.

The background features several abstract, thick, rounded lines in green, blue, and red. A large orange circle is positioned on the left side. Two small black dots are placed on the green line, one at a curve and one at the end of a horizontal segment. The text 'Implementation Process' is centered in a bold, black, sans-serif font.

Implementation Process



4

Timeline



May

Final configuration and testing of new wireless services.

Begin communications to CNC community

June

Early adopter groups to pilot new wireless services.

Present to Stakeholders and review solutions.

Begin to cut over to new networks

July

Continue to communicate changes to CNC community

Continue to monitor performance of new networks

Aug

Introduce Eduroam access for CNC provided devices

Sunset old wireless services

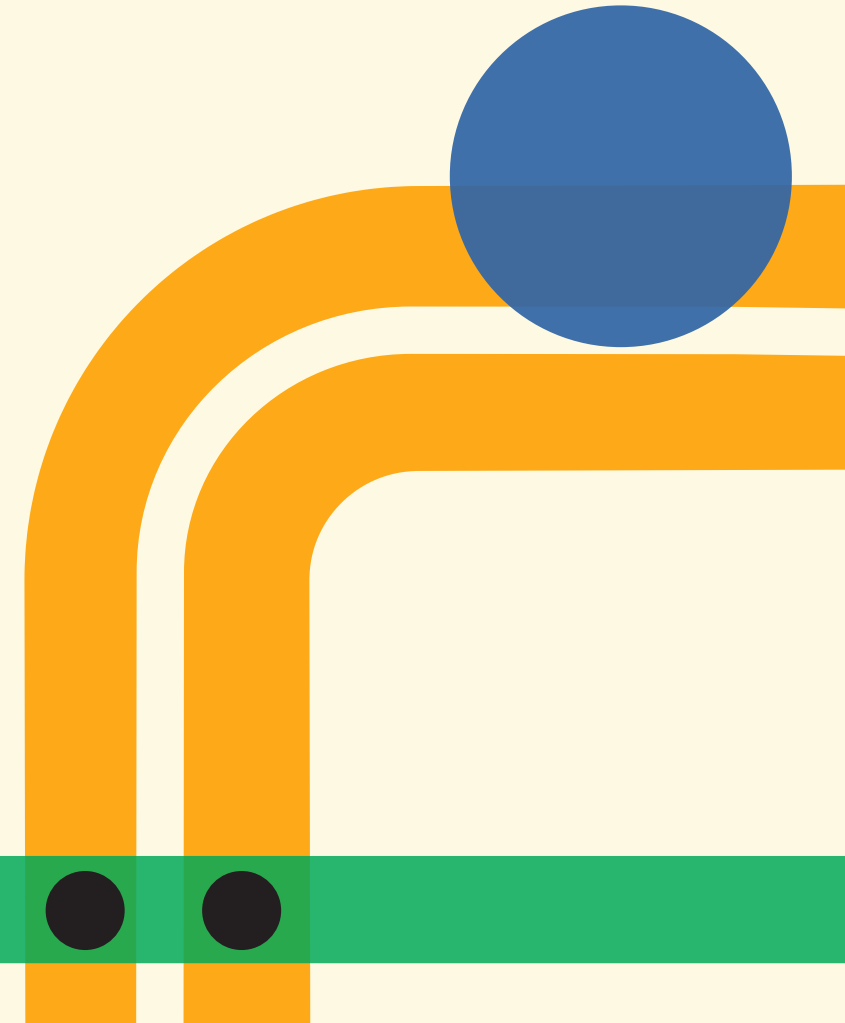
Sept

Increased communications and awareness campaigns at Fall 2024 Student Orientation



5

Questions?



The background features abstract, thick, rounded lines in red and orange. A vertical orange line runs down the left side, with two horizontal red lines crossing it. A large green circle is positioned in the lower right quadrant, partially overlapping a vertical red line. Two small black dots are placed at the intersections of the red lines.

Thank you

**Brian Burke and
Steven Dickson
CNC IT Services**