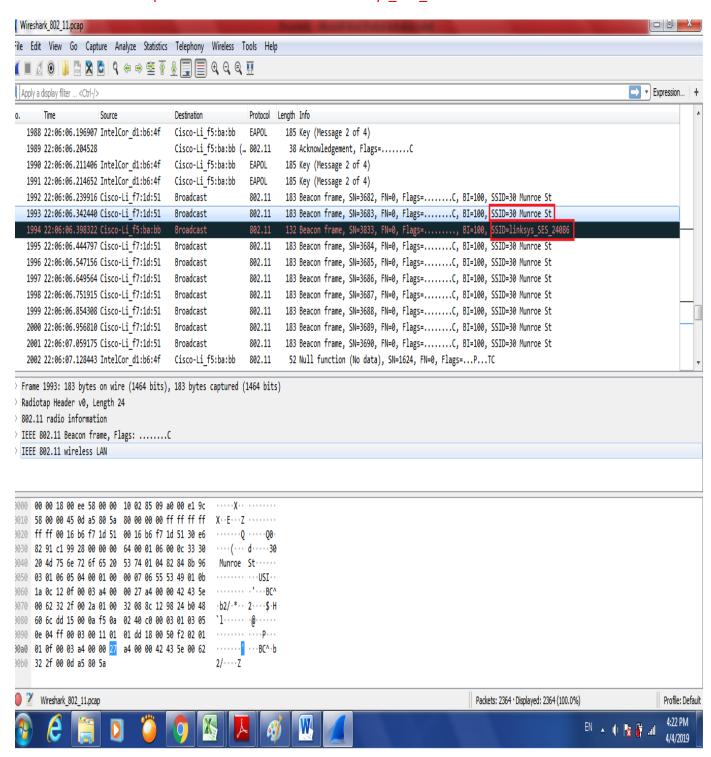
Name: Mohammad Alhomidan **ID:** 2510431

```
C:\windows\system32\cmd.exe
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation.  All rights reserved.
C:\Users\user>ipconfig
Windows IP Configuration
                                                                                                     Ξ
Wireless LAN adapter Wireless Network Connection 2:
   Media State . . . . . . . . : Media disconnected Connection-specific DNS Suffix . :
Ethernet adapter Bluetooth Network Connection:
   Media State . . . . . . . : Media disconnected Connection-specific DNS Suffix . :
Wireless LAN adapter Wireless Network Connection:
   Connection-specific DNS Suffix : IPv6 Address : : Temporary IPv6 Address : : Link-local IPv6 Address : : IPv4 Address : : : Subport Mark
                                                2600:8806:6101:e600:99f1:4a6c:6bfa:4ada
2600:8806:6101:e600:759e:a3a9:423:d2b8
fa80:-99f1-4a6c:6bfa:4adax12
                                              : 192.168.0.5
   255.255.255.0
fe80::3e37:86ff:fede:1d73x12
192.168.0.1
Ethernet adapter Local Area Connection:
   Media State . . . . . . . . : Media disconnected Connection-specific DNS Suffix . :
Tunnel adapter isatap.{05DA48C7-5141-437A-BCED-1F29AF2DE6D1}:
   Media State . . . . . . . . : Media disconnected Connection-specific DNS Suffix . :
Tunnel adapter Local Area Connection* 12:
   Default Gateway . . . . .
Tunnel adapter isatap.{6384ADFC-9F59-41B6-A461-1FCA8BD0BE49}:
   Media State . . . . . . . . : Media disconnected Connection-specific DNS Suffix . :
Tunnel adapter isatap.{CE98C002-B144-42B7-8B3F-807EE0392342}:
   Media State . . . . . . . : Media disconnected Connection-specific DNS Suffix . :
                                                                                                 3:02 PM
                                                                       EN 🔺 🜓 🙀 👬 📶
```

4/4/2019

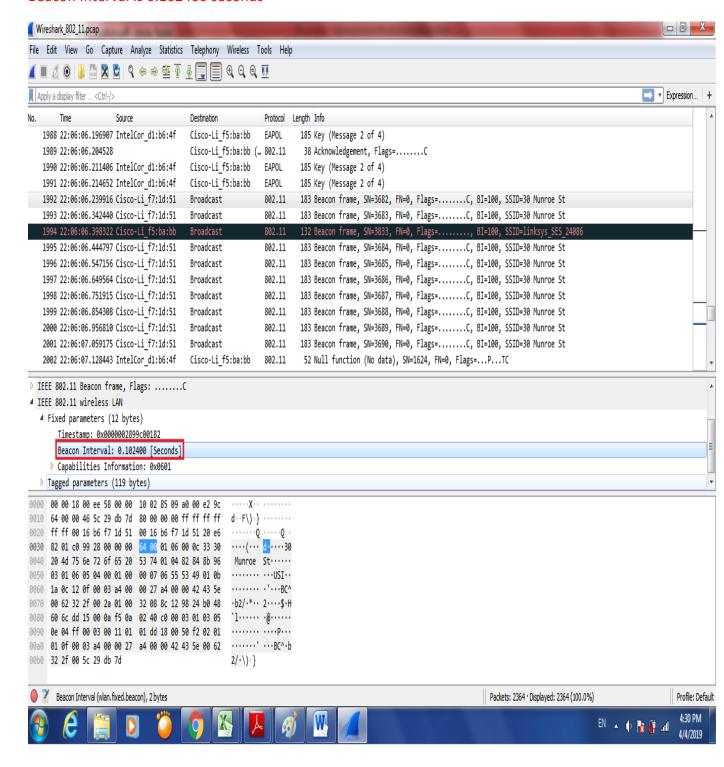
1. What are the SSIDs of the two access points that are issuing most of the beacon frames in this trace?

The most two access points are 30 Munroe St and Linksys SES 24086



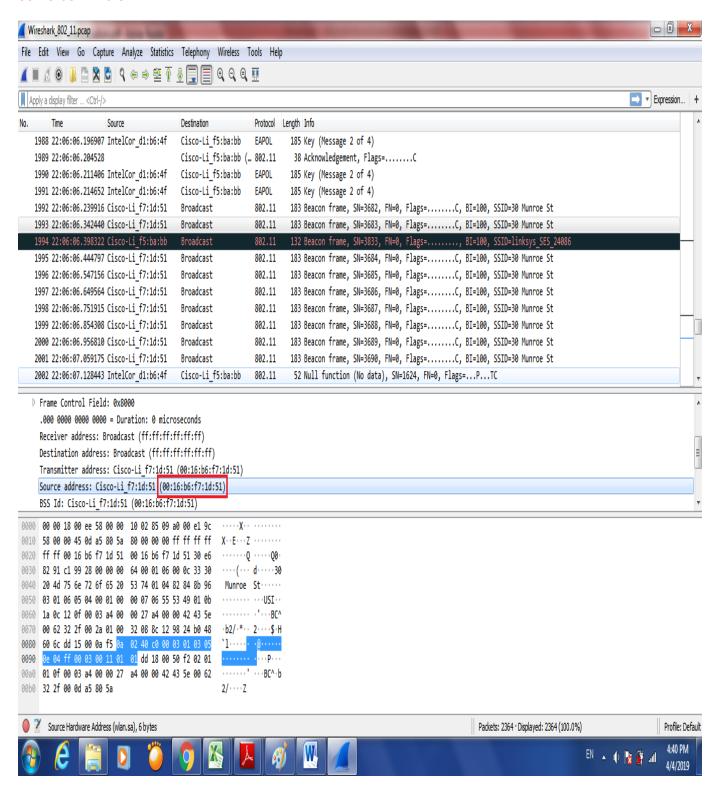
2. What are the intervals of time between the transmissions of the beacon frames the *linksys\_ses\_24086* access point? From the *30 Munroe St.* access point?

### Beacon Interval is 0.102400 seconds



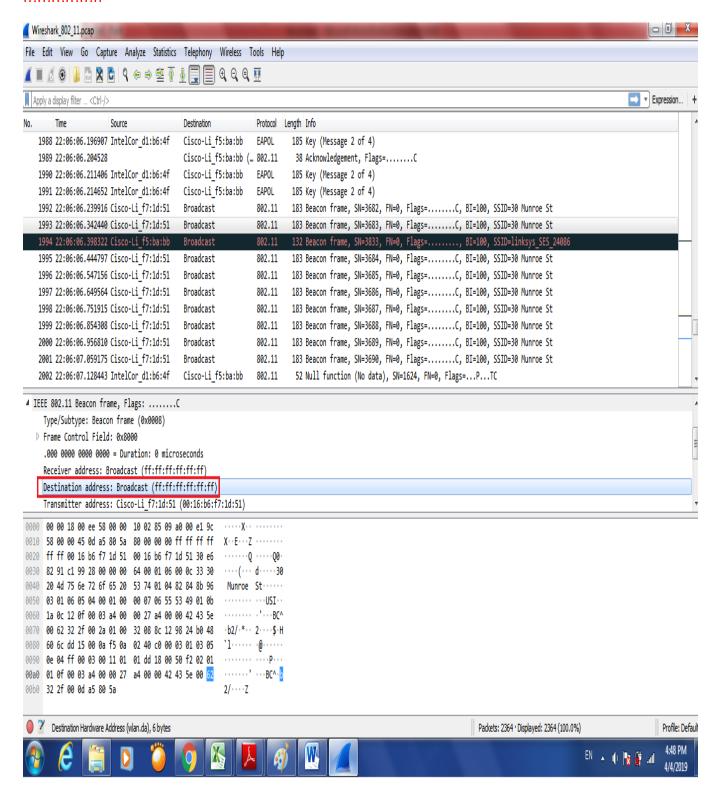
## 3. What (in hexadecimal notation) is the source MAC address on the beacon frame from *30 Munroe St*?

00:16:b6:f7:1d:51

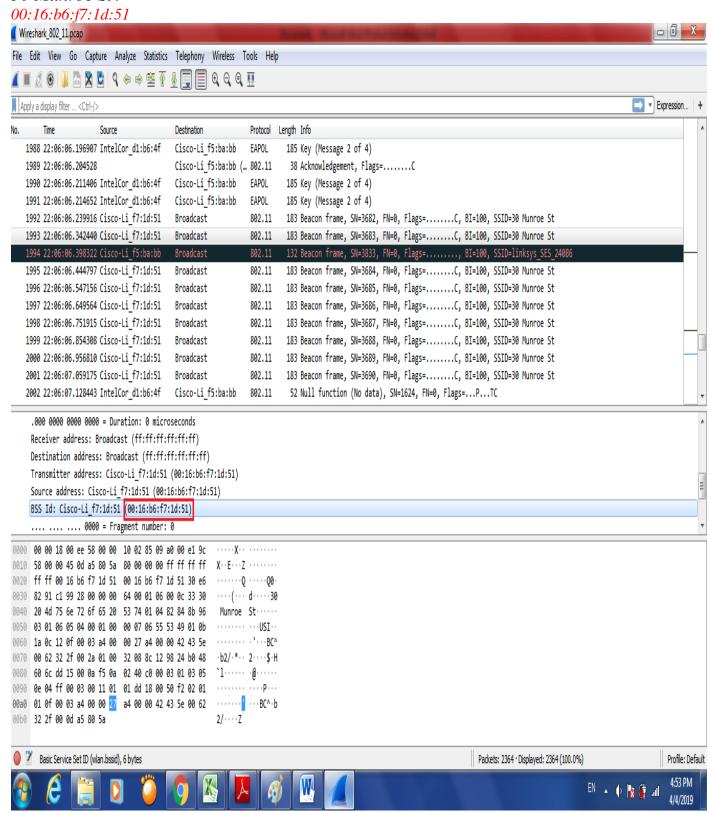


# 4. What (in hexadecimal notation) is the destination MAC address on the beacon frame from 30 Munroe St?

#### ff:ff:ff:ff:ff



### 5. What (in hexadecimal notation) is the MAC BSS id on the beacon frame from *30 Munroe St*?



C:\Users\user\Downloads\wireshark-traces (1)\Wireshark\_802\_11.pcap 2364 total packets, 24 shown

No. Time Source Destination Protocol Length Info 1129 22:05:40.049707 128.119.101.5 192.168.1.109 HTTP 1490 HTTP/1.1 200 OK (GIF89a) Frame 1129: 1490 bytes on wire (11920 bits), 1490 bytes captured (11920 bits) Radiotap Header v0, Length 24 802.11 radio information IEEE 802.11 QoS Data, Flags: .....F.C Type/Subtype: QoS Data (0x0028) Frame Control Field: 0x8802 .... ..00 = Version: 0 .... 10.. = Type: Data frame (2) 1000 .... = Subtype: 8 Flags: 0x02 .000 0000 0010 1000 = Duration: 40 microseconds Receiver address: IntelCor d1:b6:4f (00:13:02:d1:b6:4f) Transmitter address: Cisco-Li f7:1d:51 (00:16:b6:f7:1d:51) Destination address: IntelCor d1:b6:4f (00:13:02:d1:b6:4f) Source address: Cisco-Li f4:eb:a8 (00:16:b6:f4:eb:a8) BSS Id: Cisco-Li f7:1d:51 (00:16:b6:f7:1d:51) STA address: IntelCor d1:b6:4f (00:13:02:d1:b6:4f) .... .... 0000 = Fragment number: 0 1101 0001 0000 .... = Sequence number: 3344 Frame check sequence: 0xe61ccf28 [correct] [FCS Status: Good] Qos Control: 0x0100 Logical-Link Control Internet Protocol Version 4, Src: 128.119.101.5, Dst: 192.168.1.109 Transmission Control Protocol, Src Port: 80, Dst Port: 2543, Seq: 5032, Ack: 746, Len: 1388 Hypertext Transfer Protocol Compuserve GIF, Version: GIF89a