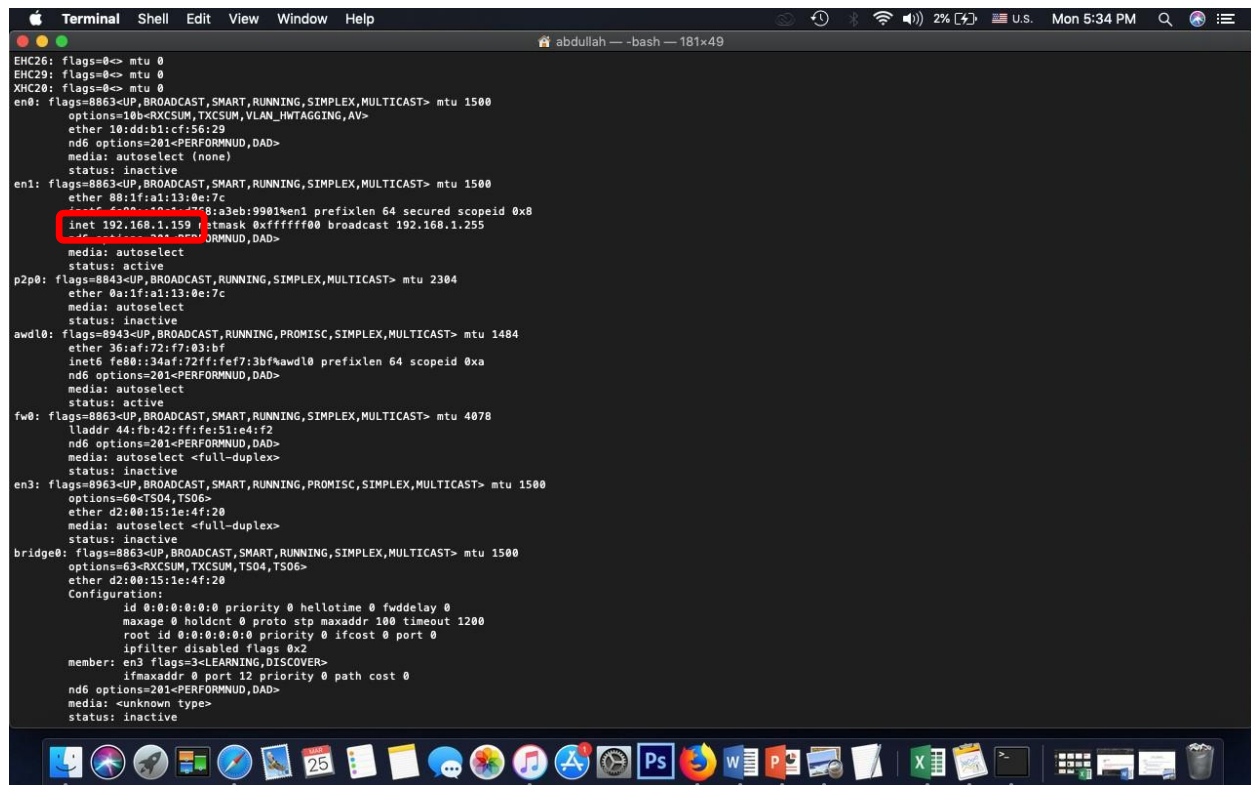


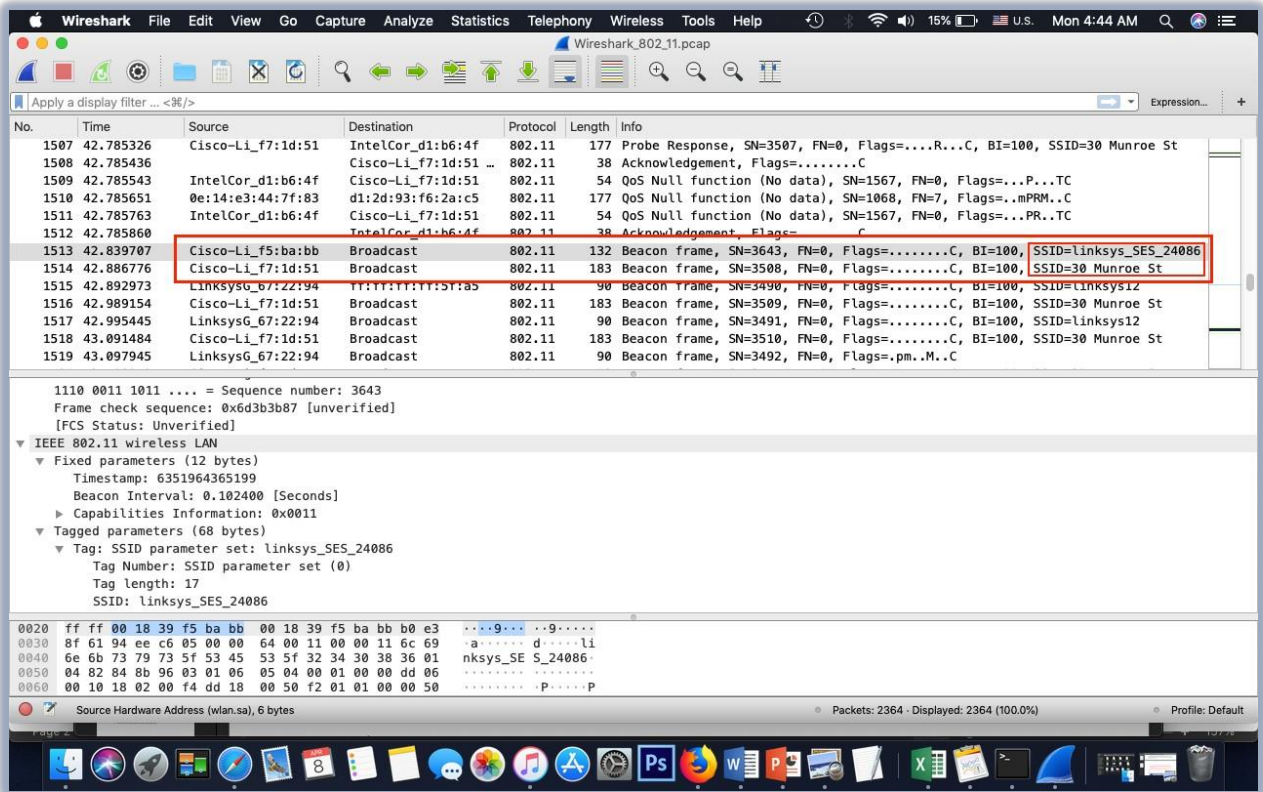
Ameen Almakrami
Lap#7
IT 520-A Enterprise infrastructure and Networks

The IP address is 192.168.1.159



```
Terminal Shell Edit View Window Help
abdullah ~ -bash — 181x49

EHC26: flags=0<> mtu 0
EHC29: flags=0<> mtu 0
XHC20: flags=0<> mtu 0
en0: flags=8863<UP,BROADCAST,SMART,RUNNING,SIMPLEX,MULTICAST> mtu 1500
    options=10b<RXCSUM, TXCSUM, VLAN_HWTAGGING, AV>
    ether 10:dd:b1:cf:56:29
    nd6 options=201<PERFORMNUD,DAD>
    media: autoselect (none)
    status: inactive
en1: flags=8863<UP,BROADCAST,SMART,RUNNING,SIMPLEX,MULTICAST> mtu 1500
    ether 08:1f:a1:13:0e:7c
    inet 192.168.1.159 netmask 0xffffff00 broadcast 192.168.1.255
    media: autoselect (none)
    status: active
p2p0: flags=8843<UP,BROADCAST,RUNNING,SIMPLEX,MULTICAST> mtu 2304
    ether 0a:1f:a1:13:0e:7c
    media: autoselect
    status: inactive
awd10: flags=8943<UP,BROADCAST,RUNNING,PROMISC,SIMPLEX,MULTICAST> mtu 1484
    ether 36:a1:f2:72:7f:83:b1
    inet6 fe80::34af:72ff:fe7f:3bf%awd10 prefixlen 64 scopeid 0xa
    nd6 options=201<PERFORMNUD,DAD>
    media: autoselect
    status: active
fw0: flags=8863<UP,BROADCAST,SMART,RUNNING,SIMPLEX,MULTICAST> mtu 4078
    lladdr 44:fb:42:ff:fe:51:e4:f2
    nd6 options=201<PERFORMNUD,DAD>
    media: autoselect <full-duplex>
    status: inactive
en3: flags=8963<UP,BROADCAST,SMART,RUNNING,PROMISC,SIMPLEX,MULTICAST> mtu 1500
    options=60<TS04,TS06>
    ether d2:00:15:1e:4f:20
    media: autoselect <full-duplex>
    status: inactive
bridge0: flags=8863<UP,BROADCAST,SMART,RUNNING,SIMPLEX,MULTICAST> mtu 1500
    options=63<RXCSUM, TXCSUM, TS04, TS06>
    ether d2:00:15:1e:4f:20
    Configuration:
        id 0:0:0:0:0:0 priority 0 hellotime 0 fwddelay 0
        maxage 0 holdcnt 0 proto stp maxaddr 100 timeout 1200
        root id 0:0:0:0:0:0 priority 0 ifcost 0 port 0
        ipfilter disabled flags 0x2
    member: en3 flags=3<LEARNING,DISCOVER>
        ifmaxaddr 0 port 12 priority 0 path cost 0
    nd6 options=201<PERFORMNUD,DAD>
    media: <unknown type>
    status: inactive
```

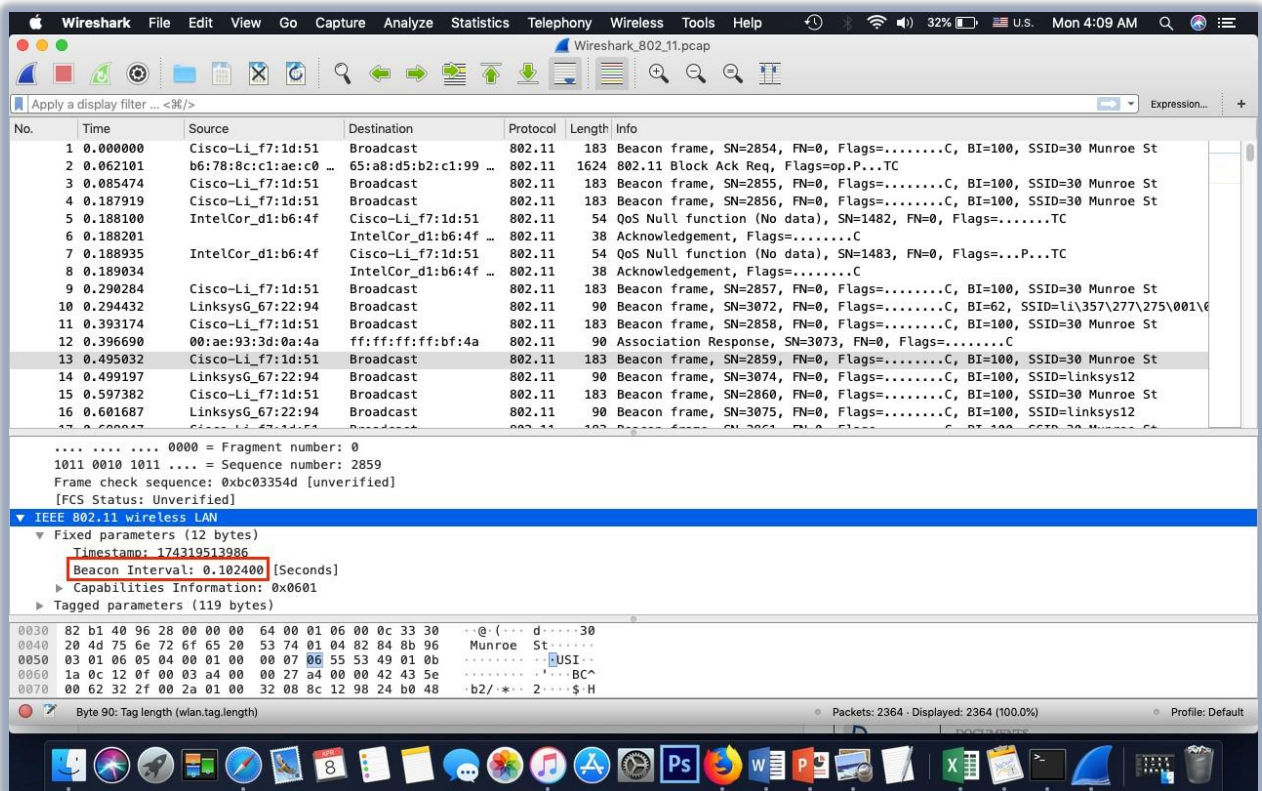


1) What are the SSIDs of the two access points that are issuing most of the beacon frames in this trace?

They are Linksys_SES_24086 and 30 Munroe St.

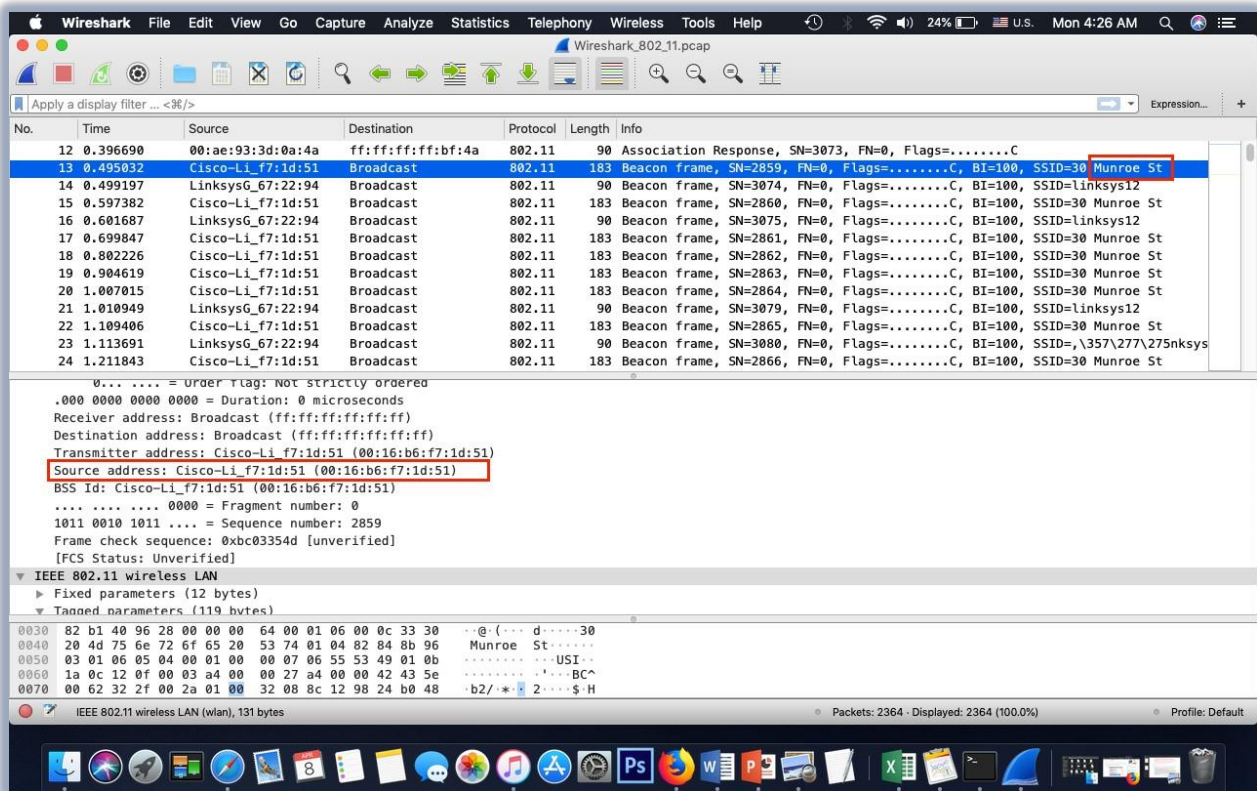
- 1) What are the intervals of time between the transmissions of the beacon frames the *linksys_ses_24086* access point? From the *30 Munroe St.* access point? (Hint: this interval of time is contained in the beacon frame itself).

They are both 0.102400 [Seconds]



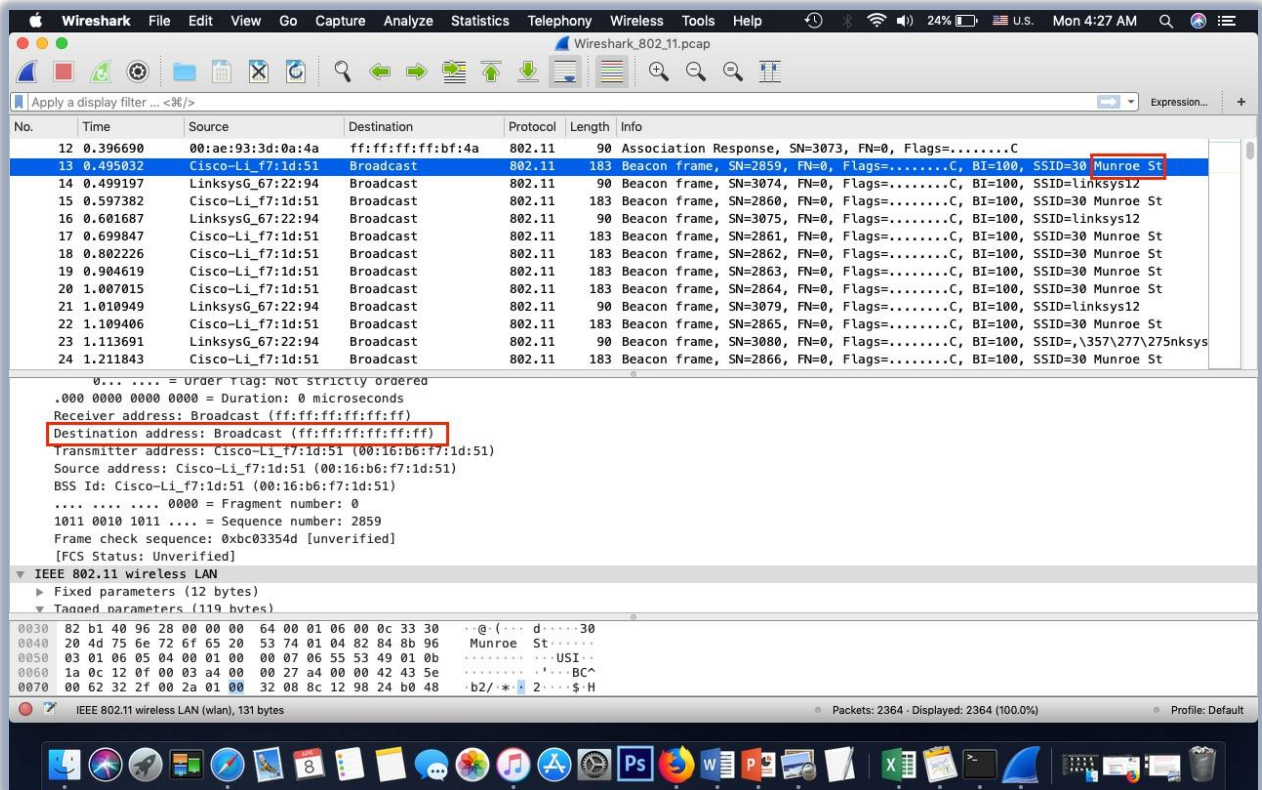
- 2) What (in hexadecimal notation) is the source MAC address on the beacon frame from 30 Munroe St? Recall from Figure 7.13 in the text that the source, destination, and BSS are three addresses used in an 802.11 frame. For a detailed discussion of the 802.11 frame structure, see section 7 in the IEEE 802.11 standards document (cited above).

The source MAC address on the beacon frame from 30 Munroe St is (00:16:b6:f7:1d:51).



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

The destination MAC address on the beacon frame from *30 Munroe St* is (ff:ff:ff:ff:ff:ff).



- 4) What (in hexadecimal notation) is the MAC BSS id on the beacon frame from 30 Munroe St?

The MAC BSS id on the beacon frame from 30 Munroe St is (00:16:b6:f7:1d:51).

