

Town Hall Tirgu Neamt

1. Analysing the subnetworks

- The number of today subnetworks: **19**
- The number of future subnetworks: **24**
- The biggest today subnetwork has hosts in a number of **24**
- The biggest future subnetwork will have a number of hosts of **6**

2. Subnetworks

- 2.1. Video cameras: **12 cameras**
- 2.2. Contentious Legal Service and Local administration: **3 computers**, Project Planning and Implementation Office: **2 computers**
- 2.3. Civil Protection: **4 computers**
- 2.4. Counselors **24 computers**
- 2.5. Mayor and vice-mayor: **2 computers**
- 2.6. Accountancy: **4 computers**
- 2.7. Inspectors: **20 computers**
- 2.8. Revenues and taxes: **6 computers**
- 2.9. Agricultural register: **4 computers**
- 2.10. Conference room: **1 computer**
- 2.11. General secretary - **1 computer**, Human resource - **1 computer** and public administration - **1 computers**
- 2.12. Subnetwork: local development: **2 computers**
- 2.13. Subnetwork component of local administration and the relationship with local council: **2 computers**
- 2.14. Subnetwork: civil protection component: **2 computers**
- 2.15. Subnetwork Internal audit component: **2 computers**
- 2.16. Subnetwork: the Service of Fiding,Imposing,fiscal control: **2 computers**
- 2.17. Subnetwork: Urbanism service and spatial planning: **1 computers**
- 2.18. Subnetwork: Component of social services contracts: **1 computer**, Project planning and implementation office - **1 computer**, The component of the owners association - **1 computer. Total-3 computers**
- 2.19. Subnetwork: Investment and transport service - **2computers**, Component and investment roads - **4computers. Total-6 computers**

3. Subnetwork Address

170.30.0.0 - B class

$$2^S \geq 19 \Rightarrow S = 5$$

S - number of subnetwork bits

$$2^H - 2 \geq 25 \Rightarrow H = 5$$

H - no of host bits

4. Subnetwork Mask

255.255.248.0

CDIR = 21 (16+5)

binar: 1111 1111.1111 1111.1110 0000.0000 0000

Sub-network	ID Sub-network	ID Subnetwork	Subnetwork Mask	Interval Host	Broadcast
#0	00000	170.30.0.0	255.255.248.0	170.30.0.1- 170.30.7.254	170.30.7.255
#1	00001	170.30.8.0	255.255.248.0	170.30.8.1- 170.30.15.254	170.30.15.255
#2	00010	170.30.16.0	255.255.248.0	170.30.16.1- 170.30.23.254	170.30.23.255
#3	00011	170.30.24.0	255.255.248.0	170.30.24.1- 170.30.31.254	170.30.31.255
#4	00100	170.30.32.0	255.255.248.0	170.30.32.1- 170.30.39.254	170.30.39.255
#5	00101	170.30.40.0	255.255.248.0	170.30.40.1- 170.30.47.254	170.30.47.255
#6	00110	170.30.48.0	255.255.248.0	170.30.48.1- 170.30.55.254	170.30.55.255
#7	00111	170.30.56.0	255.255.248.0	170.30.56.1- 170.30.63.254	170.30.63.255
#8	01000	170.30.64.0	255.255.248.0	170.30.64.1- 170.30.71.254	170.30.71.255
#9	01001	170.30.72.0	255.255.248.0	170.30.72.1- 170.30.79.254	170.30.79.255
#10	01010	170.30.80.0	255.255.248.0	170.30.80.1- 170.30.79.254	170.30.87.255
#11	01011	170.30.88.0	255.255.248.0	170.30.88.1-	170.30.95.255

				170.30.95.254	
#12	01100	170.30.96.0	255.255.248.0	170.30.96.1- 170.30.103.254	170.30.103.255
#13	01101	170.30.104.0	255.255.248.0	170.30.104.1- 170.30.111.254	170.30.111.255
#14	01110	170.30.112.0	255.255.248.0	170.30.112.1- 170.30.119.254	170.30.119.255
#15	01111	170.30.120.0	255.255.248.0	170.30.120.1- 170.30.127.254	170.30.127.255
#16	10000	170.30.128.0	255.255.248.0	170.30.128.1- 170.30.135.254	170.30.135.255
#17	10001	170.30.136.0	255.255.248.0	170.30.136.1- 170.30.143.254	170.30.143.255
#18	10010	170.30.144.0	255.255.248.0	170.30.144.1- 170.30.151.254	170.30.151.255 7