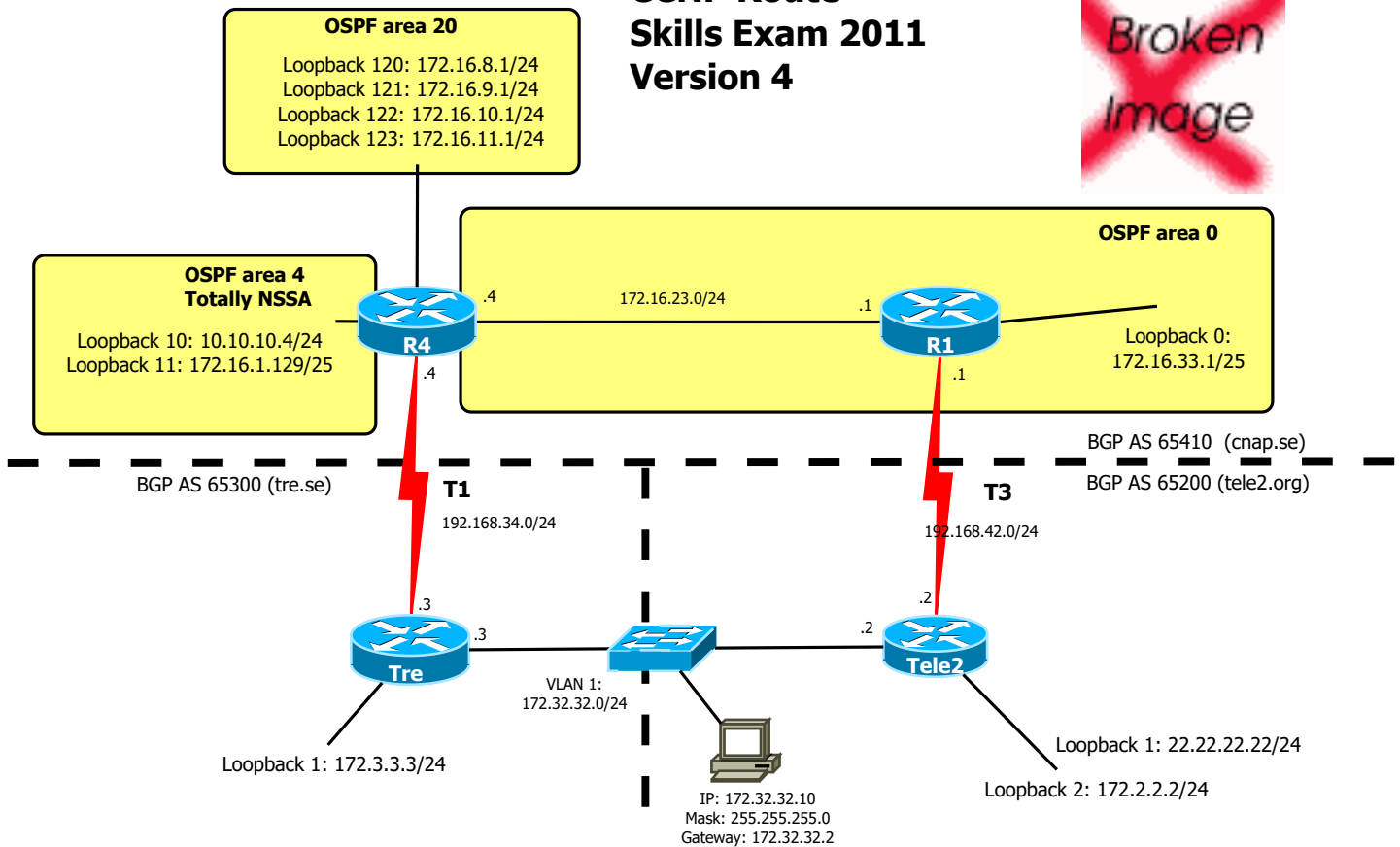


# CCNP Route Skills Exam 2011 Version 4



## REQUIREMENTS

01. Do basic configuration: interface descriptions, no DNS lookup, synchronous logging
02. Do basic management: passwords (and, if applicable, users), ssh version 2, no telnet, no http
03. Configure according to the diagram shown above
04. Configure OSPF router ID
05. Ensure that all interfaces are advertised in OSPF with the correct masks
06. Configure passive and non-passive interfaces for OSPF as appropriate including loopbacks
07. Summarize the loopback interfaces in area 20 with the most efficient mask
08. On R4: redistribute the serial link into OSPF with a metric of 1000
09. Configure iBGP in AS 65410
- 0A. Configure eBGP peers between AS's 65410, 65300 and 65200 appropriately
- 0B. Make 'Tre' BGP-announce 172.3.0.0 /16, 172.32.32.0/24 and 192.168.34.0/24
- 0C. Make 'Tele2' announce 172.2.0.0 /16, 172.32.32.0/24 and 192.168.42.0/24
- 0D. Make R1 and R4 announce 172.16.0.0 /16
- 0E. Make R1 and R4 prefer the T3 by using local-preference in BGP
- 0F. Make R1 and R4 send appropriate MED values telling others that AS 65410 likes the T3 link
- 0E. Make 'Tele2' and 'Tre' announce to R1/R4 a default route to them self;  
 no default-information should be exchanged between Tele2 and tre;  
 TIP: on 'Tele2' and 'Tre' use the command:  
**neighbor x.x.x.x default-originate**  
**neighbor x.x.x.x description**
- 0F. Comment all peers by using:  
**neighbor x.x.x.x description**
10. Create loopback6's on R1 and R4 using only IPv6-addresses
14. Add IPv6 addresses to the R1-R4 link
15. start OSPF routing for all three IPv6 networks

## SOME CHECKPOINT

- A) On R4: trace 22.22.22.22 source 172.16.1.129
- B) On R4: trace 172.32.32.10 source 172.16.23.4
- C) No static routes  
 but Null0 rules are OK like  
 "ip route ???? ???? null 0"
- D) On R4: ping R1's lo6-interface using IPv6