

## OSPF TOTALLY NOT SO STUBBY AREA LAB

### Goal:

**All IP addresses have been preconfigured for you.**

1. Configure OSPF on all routers, use the Area's as specified in the topology picture.
2. Achieve full connectivity.
3. Router Hogan: create additional loopbacks:  
L0: 172.16.0.1 /24  
L1: 172.16.1.1 /24  
L2: 172.16.2.1 /24  
L3: 172.16.3.1 /24
4. Redistribute these networks into OSPF Area 0. Do not use the "network" command to achieve this. Take a look at the routing table of Router Undertaker, you should see all 4 networks. Make sure you can ping them.
5. Change the area type of Area 1 so you don't see the 4 networks anymore but only 1 default route.  
**Make sure you can still ping the 4 networks.**
6. Router Undertaker: create a loopback interface: L0: 2.2.2.2 /24
7. Configure RIP version 2 and advertise the 2.2.2.0 network into RIP.
8. Router Undertaker: Redistribute RIP into OSPF, you are not allowed to turn Area 1 back into a standard Area. Make sure you still meet all the previous requirements. Make sure you can ping the 2.2.2.0 network from Router Hogan. Router Undertaker should only have a default route pointing to the Loopbacks of Router Hogan.

