



1. SMILE Policy

- 1.1. CUSTOMER provides optical communication from his device to Demarcation point according to colocation facility rules.
- 1.2. CUSTOMER is responsible for optical connection performance up to Demarcation point.
- 1.3. CUSTOMER declares to SMN his routers MAC address which will be used for traffic exchange with other customers and Route Servers.
- 1.4. CUSTOMER declares to SMN his AS-SET name (or AS number in case prefixes from only one AS will be announced to Route Servers), which SMN will use for BGP inbound filter automated builds. CUSTOMER is responsible to maintain proper information in RIPE (www.ripe.net) and other routing data bases.
- 1.5. CUSTOMER is responsible to ensure information about SMILE connection is properly updated in PeeringDB (www.peeringdb.com) data base.
- 1.6. CUSTOMER is responsible to bring up at least one BGPv4 peering connection with SMILE Route Server and announce towards it all or at least significant part of prefixes used in his own network.
- 1.7. CUSTOMER is not limited to announce towards SMILE Route Server his customers or other partner (other Autonomous Systems) prefixes as long as CUSTOMER ensure free, unfiltered and good quality data transmission towards those networks free of charge.
- 1.8. CUSTOMER is explicitly forbidden to ask payment or pay for traffic through SMILE to/from prefixes which he has announced to or received from SMILE Route Server.
- 1.9. CUSTOMER has rights to bring up direct BGPv4 peers with other customers for IPv4 Unicast addresses.
- 1.10. CUSTOMER is explicitly forbidden to use static routing or any other routing protocols besides BGP on a SMILE connection.
- 1.11. Through SMILE connection are allowed only following data transmission protocols:
 - 1.11.1. ARP (Ethernet frame type 0x0806);
 - 1.11.2. IPv4 (Ethernet frame type 0x0800).
- 1.12. On a SMILE connection there are forbidden protocols such as Spanning Tree Protocol, IPv4 Multicast, HSRP, VRRP and others except the ones listed in Paragraph 1.11.
- 1.13. For connection CUSTOMER should use dedicated router (L3 device) port. In case CUSTOMER uses L2 transport the CUSTOMER must ensure loop free transmission without L2 protocols, and from SMILE infrastructure side it would be seen as 100% equivalent to direct router port connection. CUSTOMER must consult with SMILE Tech contacts regarding use of transport equipment is SMILE connection and should implement all recommendations.
- 1.14. In SMILE connection there is forbidden to use and transmit packets with source or destination IPv4 addresses listed in IETF RFC 1918, as well as other documents which lists address ranges as

prohibited for use in public Internet. At the time of preparing this Agreement such ranges are listed in the following sample ACL that could be used on CUSTOMERS router port:

```
10 deny ip any 192.168.0.0 0.0.255.255
20 deny ip 192.168.0.0 0.0.255.255 any
30 deny ip any 172.16.0.0 0.15.255.255
40 deny ip 172.16.0.0 0.15.255.255 any
50 deny ip any 10.0.0.0 0.255.255.255
60 deny ip 10.0.0.0 0.255.255.255 any
70 deny ip any 127.0.0.0 0.255.255.255
80 deny ip 127.0.0.0 0.255.255.255 any
90 deny ip any 169.254.0.0 0.0.255.255
100 deny ip 169.254.0.0 0.0.255.255 any
110 deny ip any 192.0.2.0 0.0.0.255
120 deny ip 192.0.2.0 0.0.0.255 any
130 deny ip 224.0.0.0 31.255.255.255 any
140 permit ip any host 255.255.255.255
150 deny ip any 224.0.0.0 31.255.255.255
999 permit ip any any
```

- 1.15. Without explicit permission in writing CUSTOMER is prohibited to announce to any other AS via BGP prefix used for SMILE connection (SMILE Infrastructure IPv4 address range – 195.246.227.0/24).
- 1.16. IPv6 protocol transmission is not allowed until SMILE will complete preparation for IPv6 and CUSTOMER will be assigned IPv6 address for use on SMILE connection.
- 1.17. CUSTOMER has rights without extra charge to request up to 8 (eight) IPv4 addresses for a single shared connection if he strictly fulfills recommendations given by SMILE Tech contacts to ensure L2 security. Each IPv4 address should declare MAC address, AS-SET end ensure own routing policy.
- 1.18. CUSTOMER responsibility within limits of his technical capabilities is to ensure that CUSTOMER network is not a source for malicious activities towards SMILE infrastructure and other SMILE customers.
- 1.19. Upon receiving notification from SMN CUSTOMER is responsible to eliminate source of problem which endanger SMILE infrastructure and other SMILE customers.