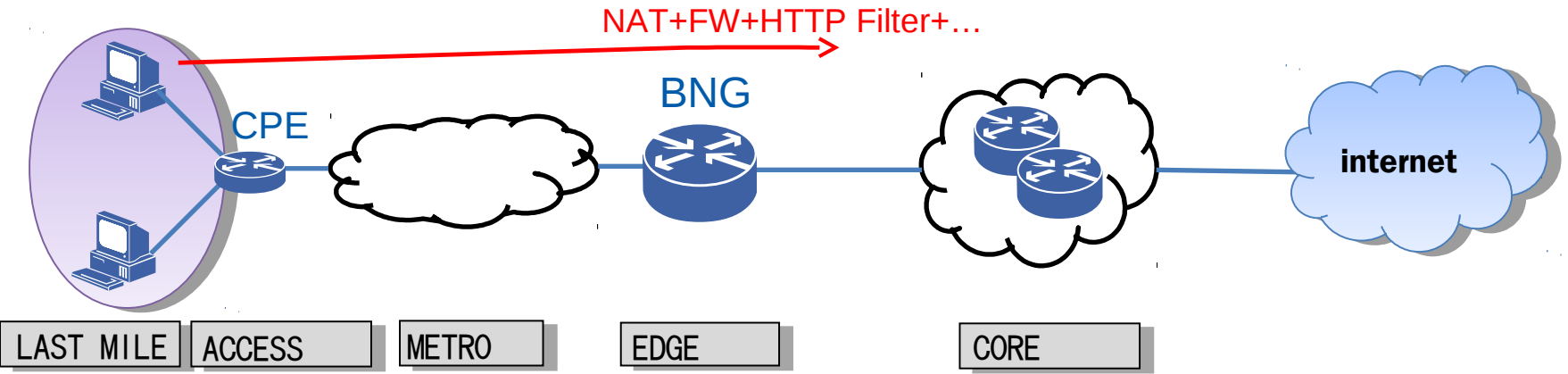# Service Function Chain Use Cases in Broadband

draft-meng-sfc-broadband-usecases
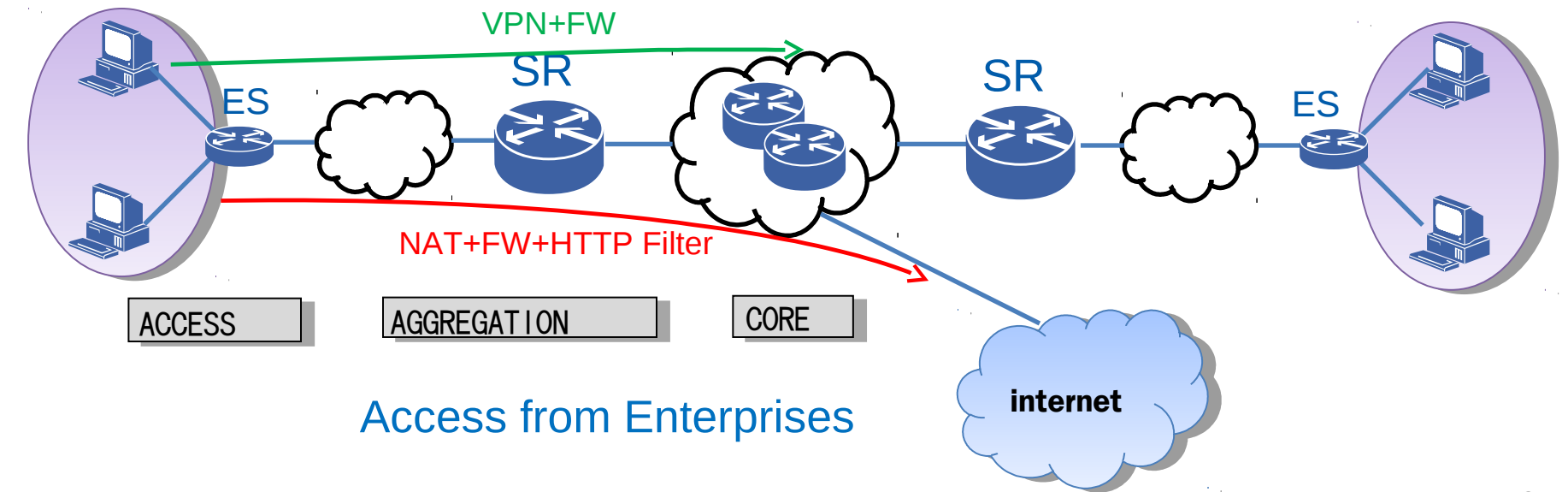
IETF 94-Yokohama, 5th**, Nov 2015**

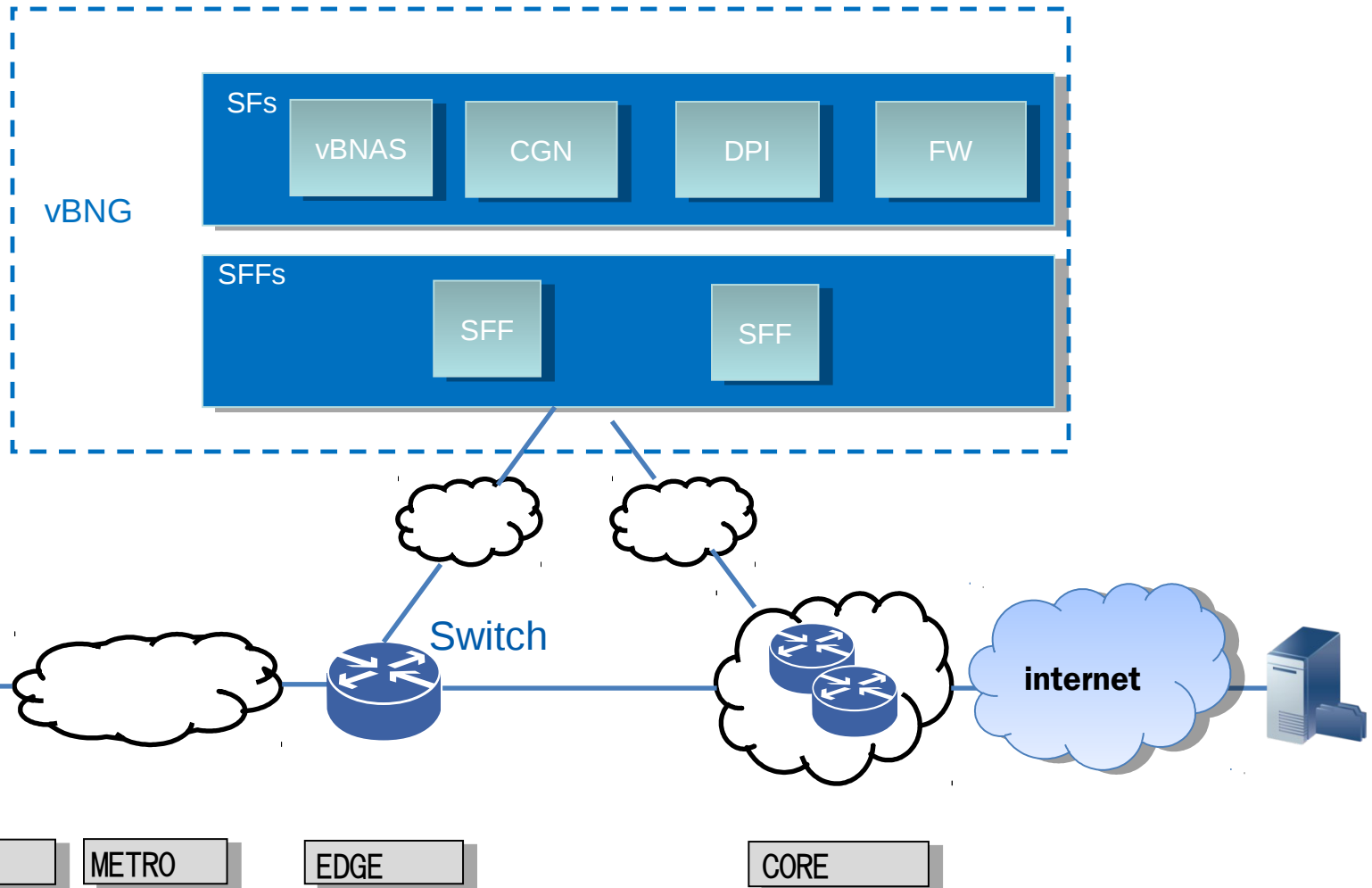C. Xie, **W. Meng**, C. Wang & B. Khasnabish

Scenarios

NAT+FW+HTTP Filter+…

BNG

CPE

internet

| LAST MILE | ACCESS | METRO | EDGE | CORE |

Internet Access from Homes

VPN+FW

SR

ES

SR

ES

NAT+FW+HTTP Filter

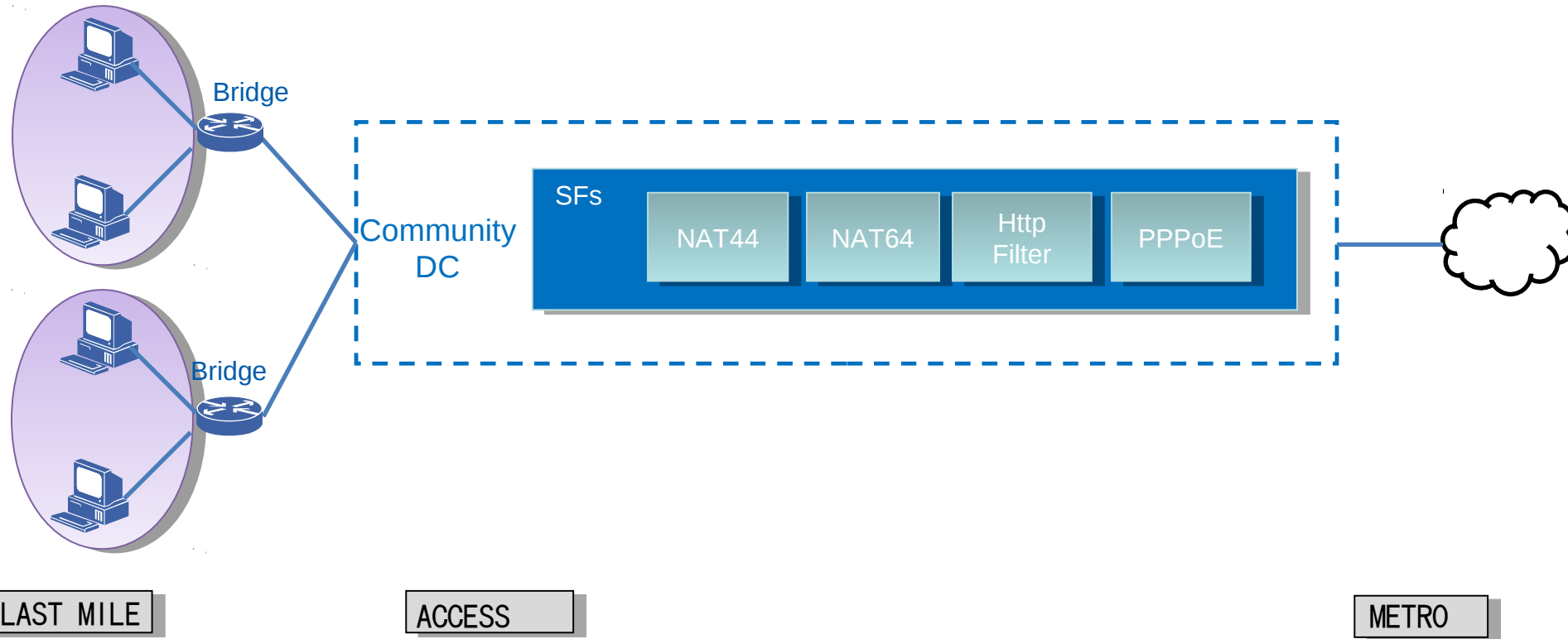| ACCESS | AGGREGATION | CORE |

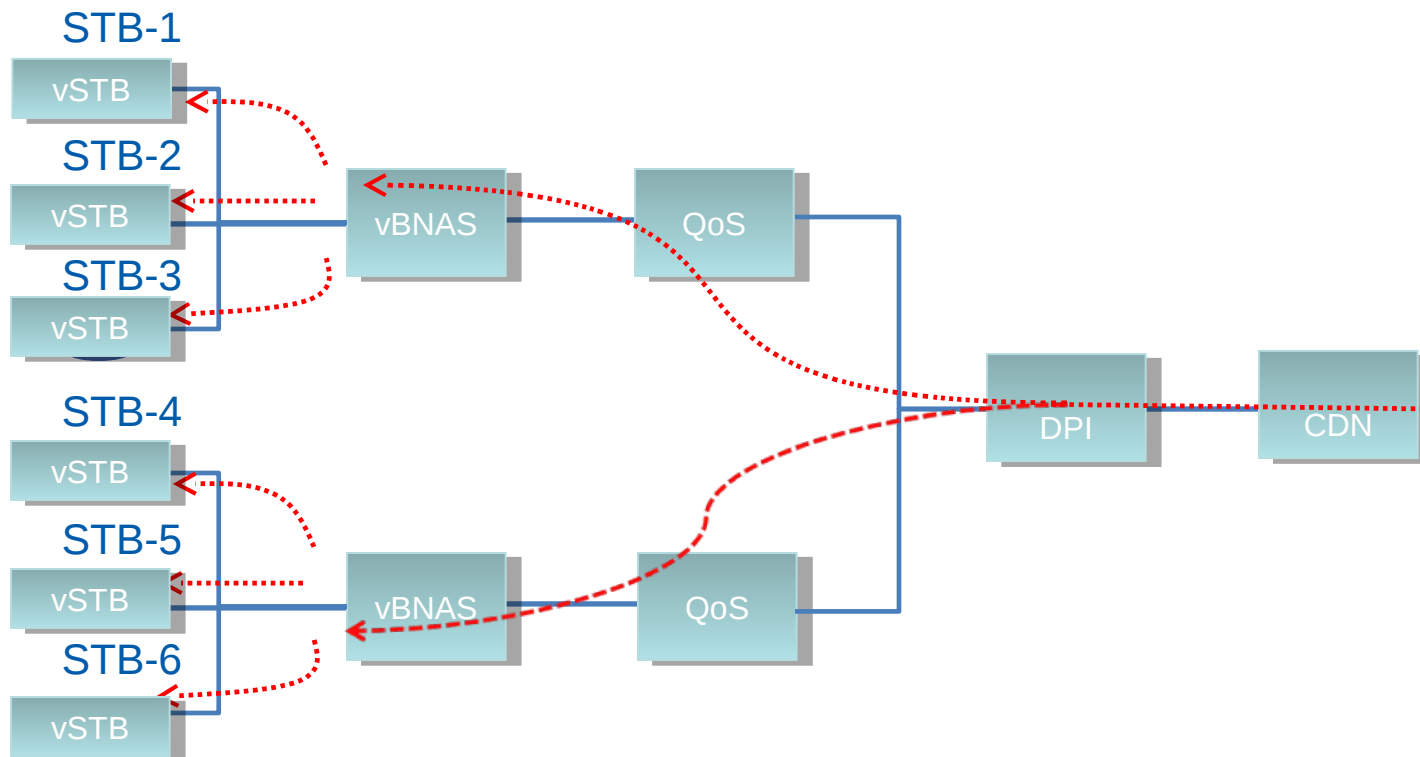**internet**

Access from Enterprises

2

vBNAS & vBNG

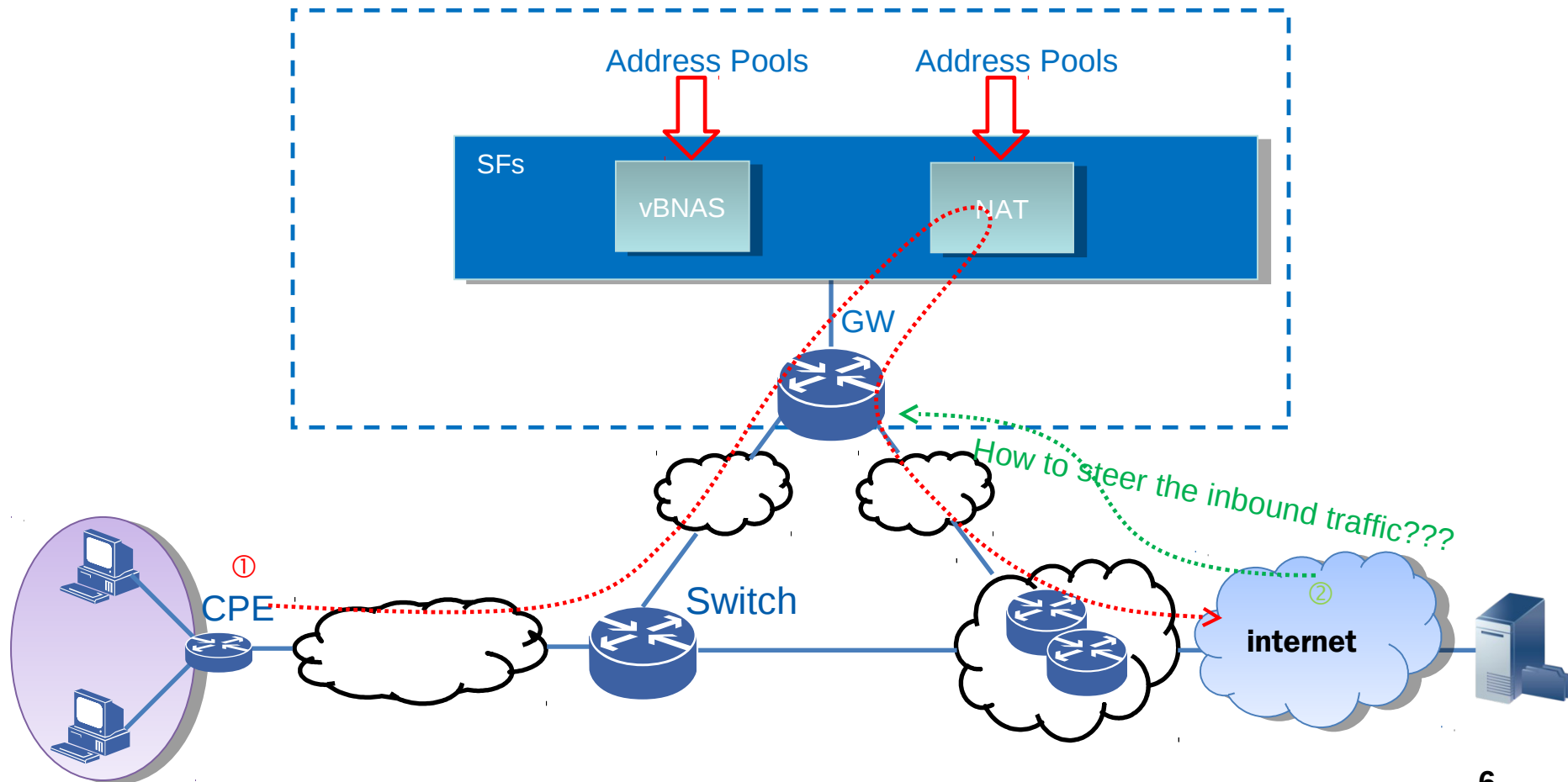# Unified CPE

IPTV(forked and nonsymmetric SFC)

ISSUES
One SFC? six duplicated SFCs?
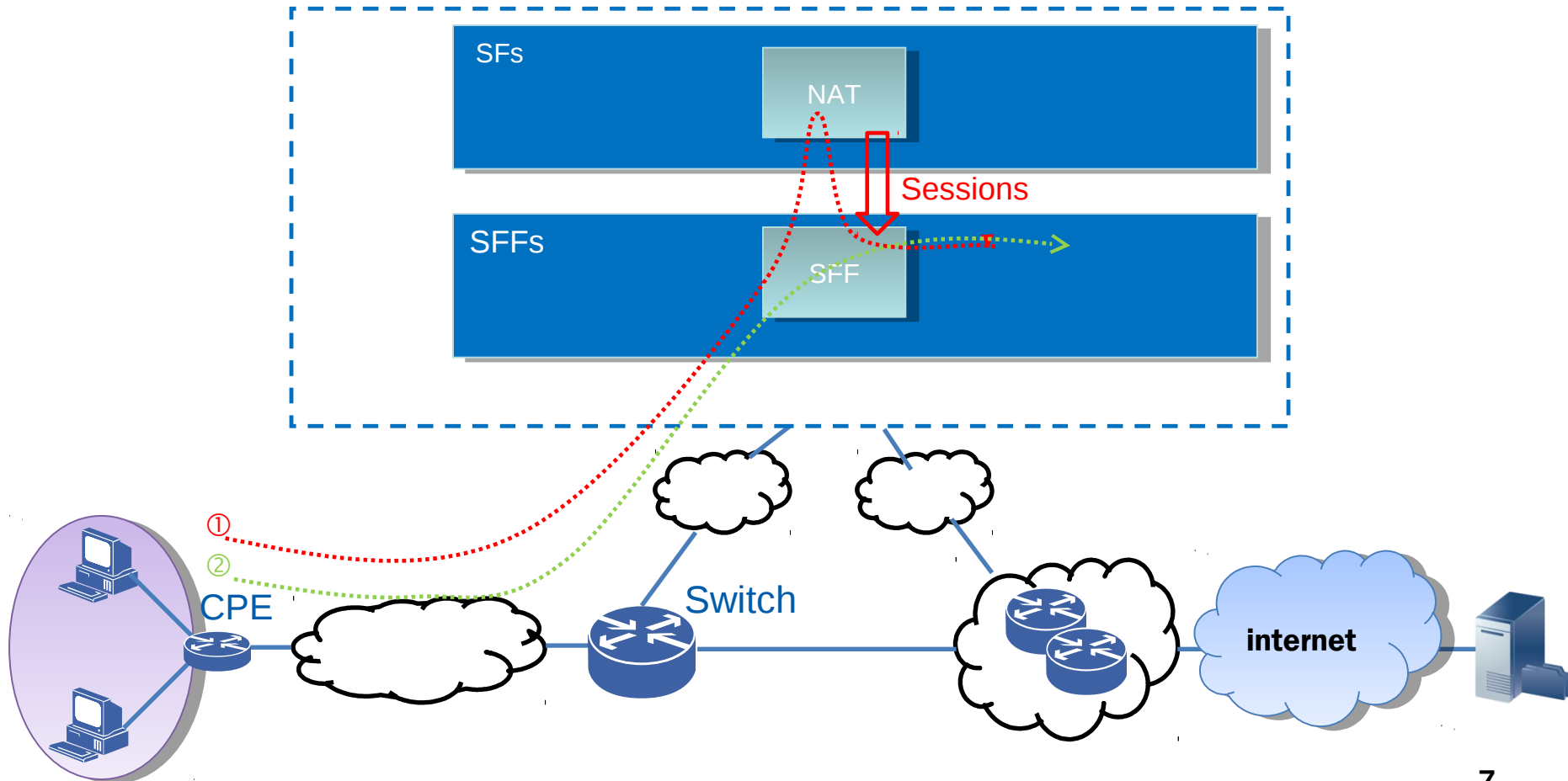One SFP? six duplicated SFPs?

ISSUE-1

- HOW to manage address pools? WHO advertise route information to external network based on IP address pools.

ISSUE-2

- For forwarding and control in a stateful SF, Separation OR Centralization

Next Step

- Solicit more comments.
- Adopt the document as a WG item?