



# SFC function mobility with Mobile IPv6

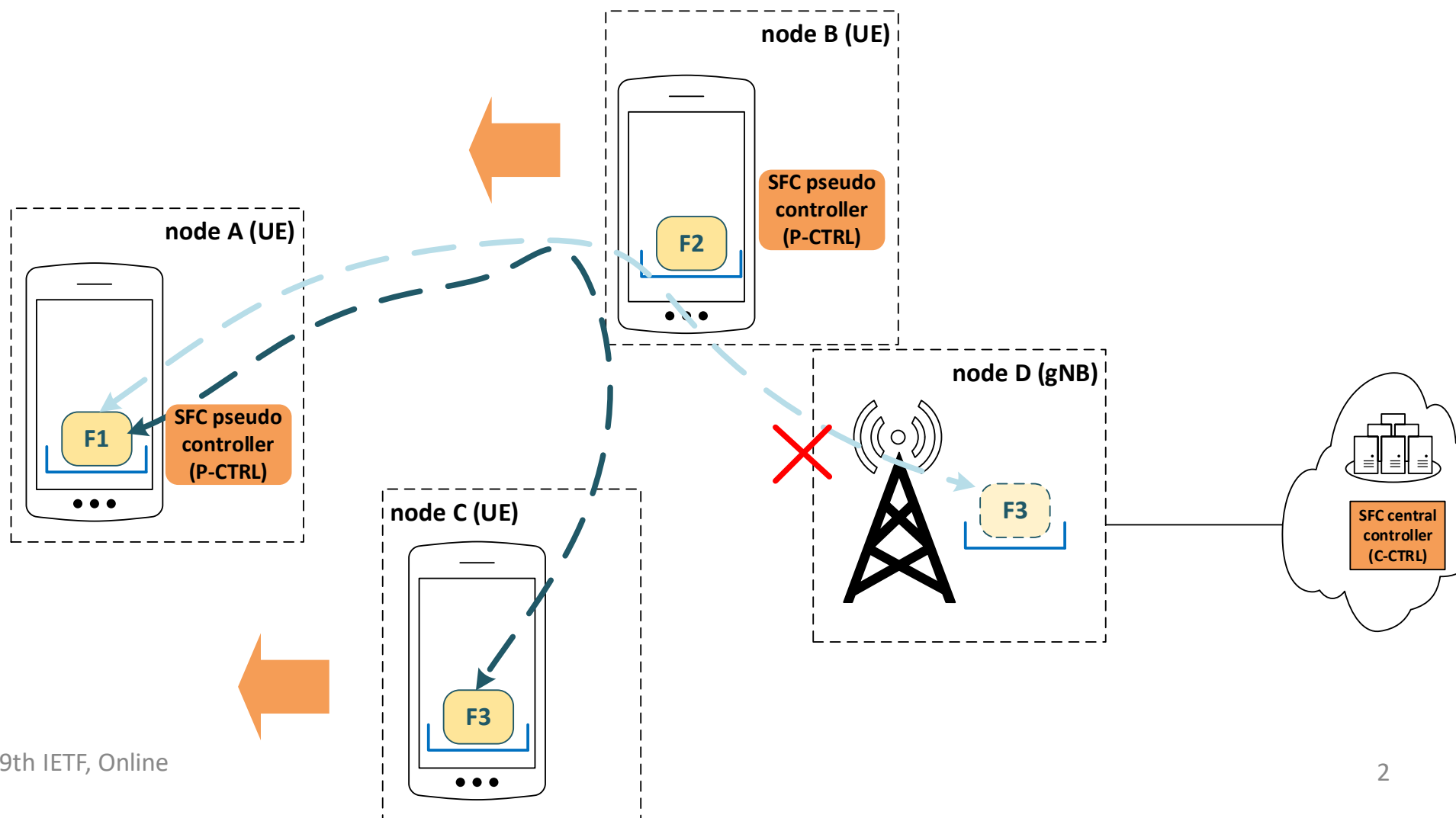
draft-bernardos-dmm-sfc-mobility-01

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Online, DMM WG, 2020-11-18

# Motivation: distributed SFC control

- Current SFC architectures rely on a centralized controller (C-CTRL). This poses issues and inefficiencies
- This can be alleviated by enabling autonomous SFC self-orchestration, based on the concept of SFC pseudo controller (P-CTRL)

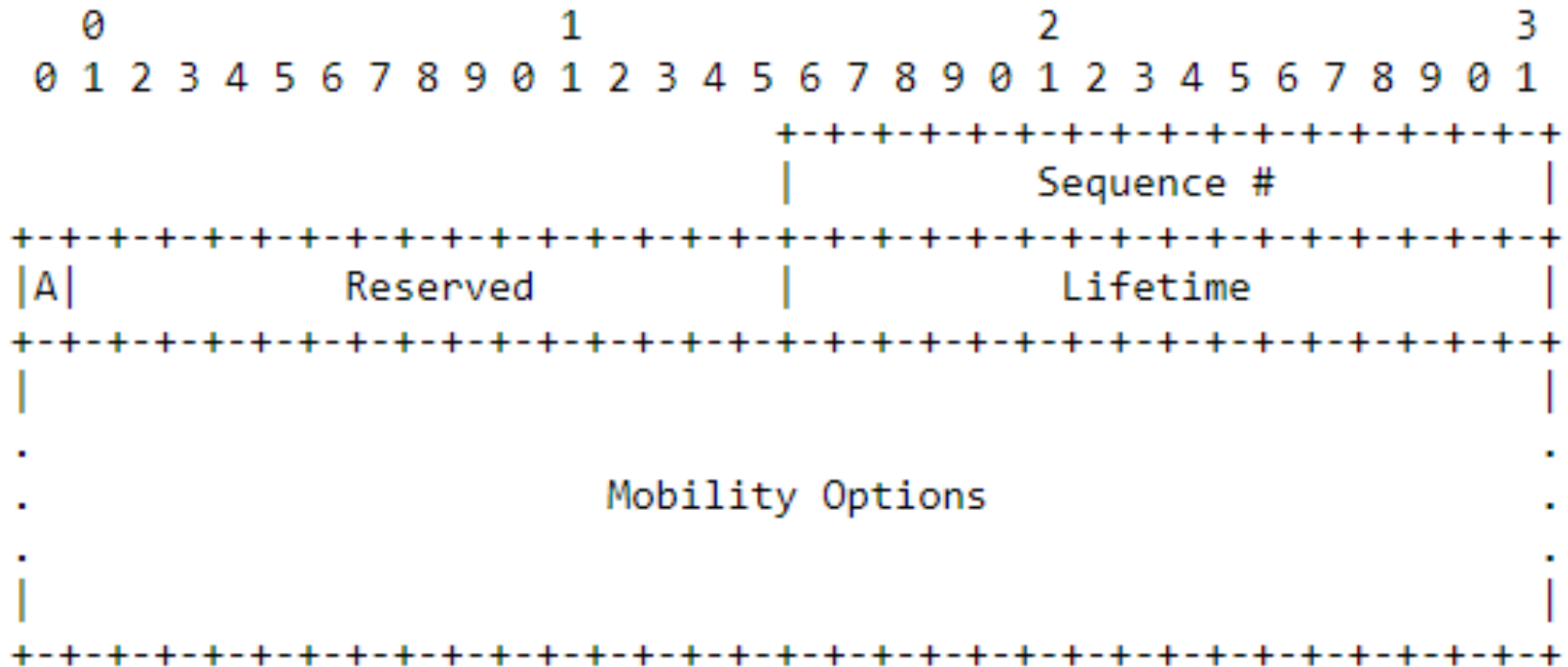


# MIPv6 extensions for SFC mobility

- The draft describes Mobile IPv6 (MIPv6) extensions to perform function migration/mobility (one example of lifecycle management)

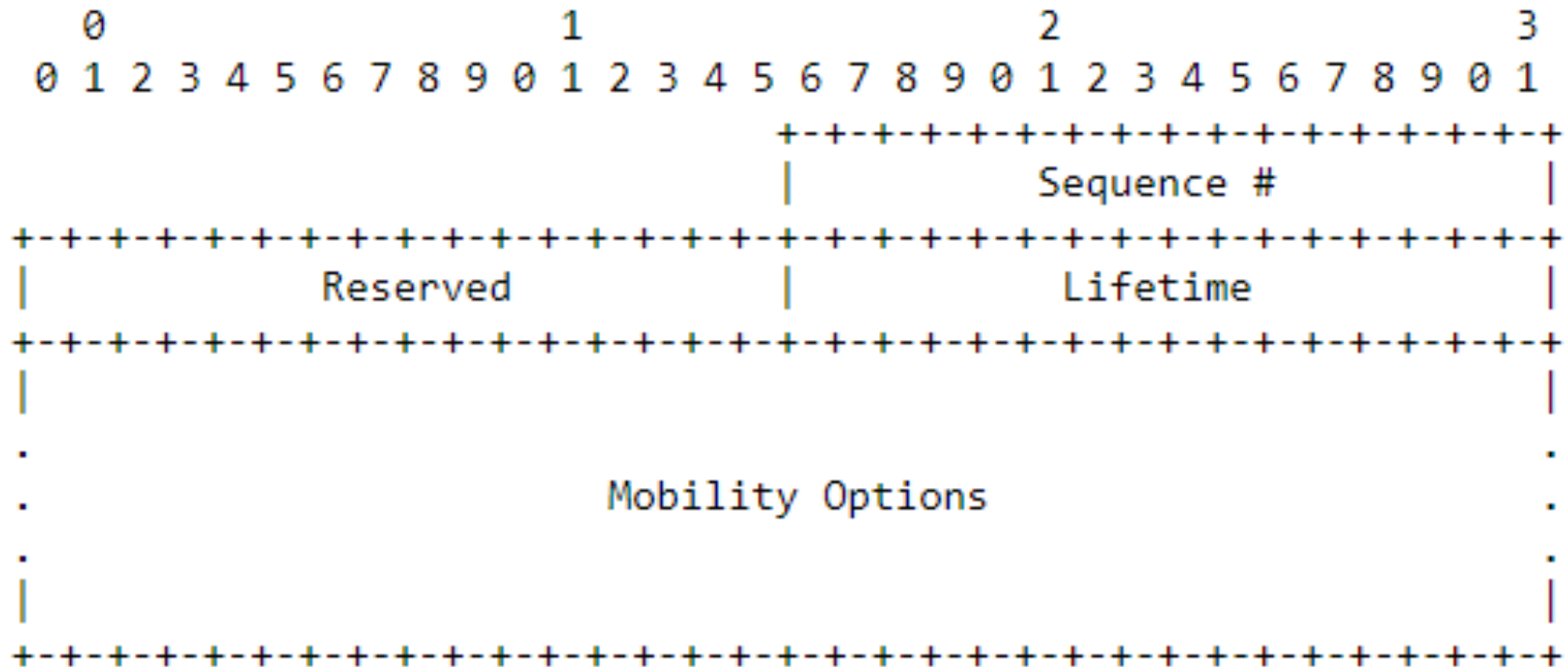


# Service Path Update



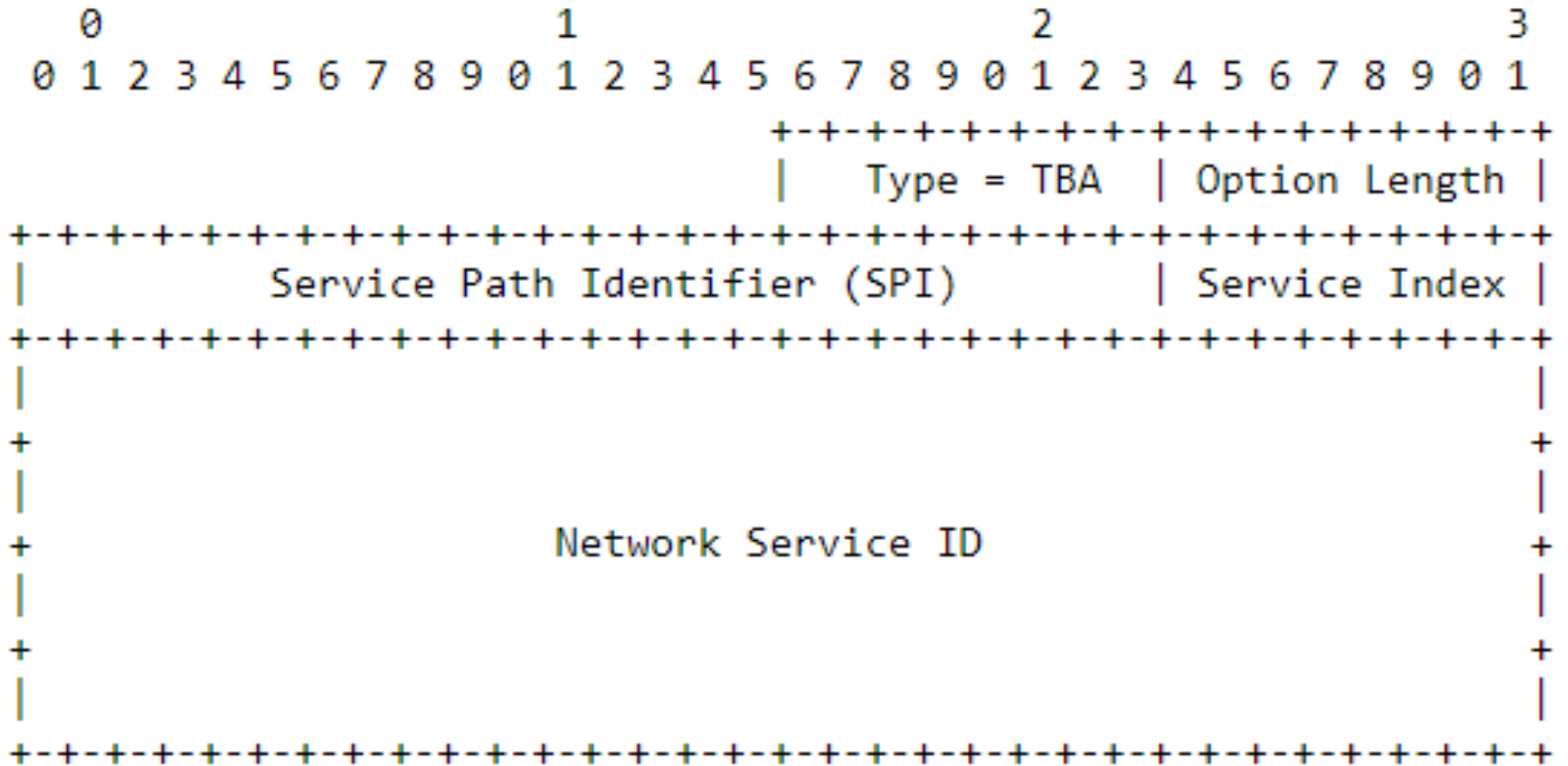
- New MH type
- Mobility options
  - Network Service ID
  - SFC node

# Service Path Acknowledgement

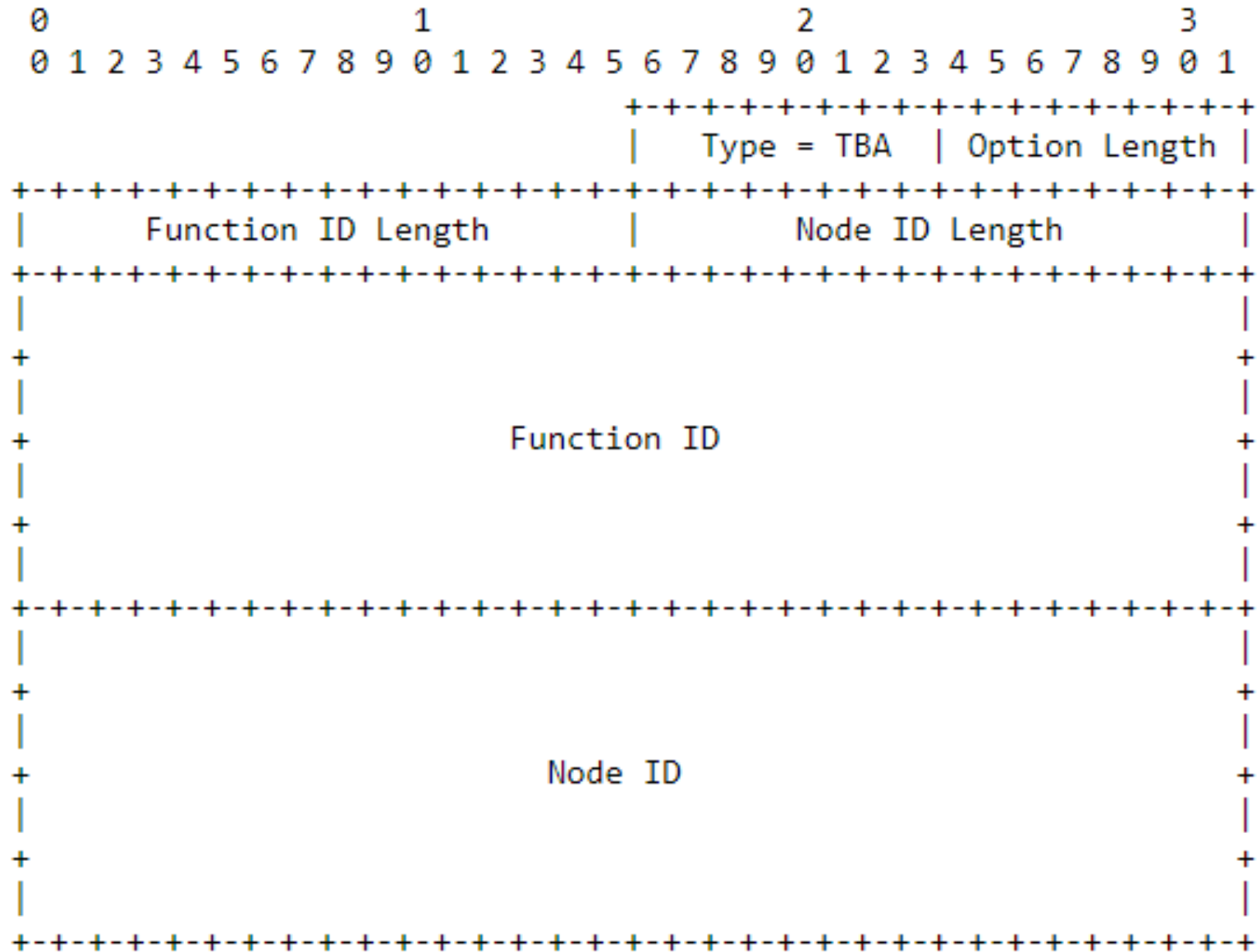


- New MH type
- Mobility options
  - Network Service ID

# Network Service ID mobility option



# SFC node mobility option



## Next steps

- Understand from both DMM and SFC WG if there is interest in working on this type of problem
- Other companion/complementary IDs:
  - [draft-bernardos-sfc-distributed-control](#)
  - [draft-bernardos-sfc-distributed-control-operation](#)
  - [draft-bernardos-sfc-nsh-distributed-control](#)
- Provide feedback to authors about the draft(s)