

# SFC function mobility with Mobile IPv6

**draft-bernardos-dmm-sfc-mobility-01**

IETF 115 – DMM WG

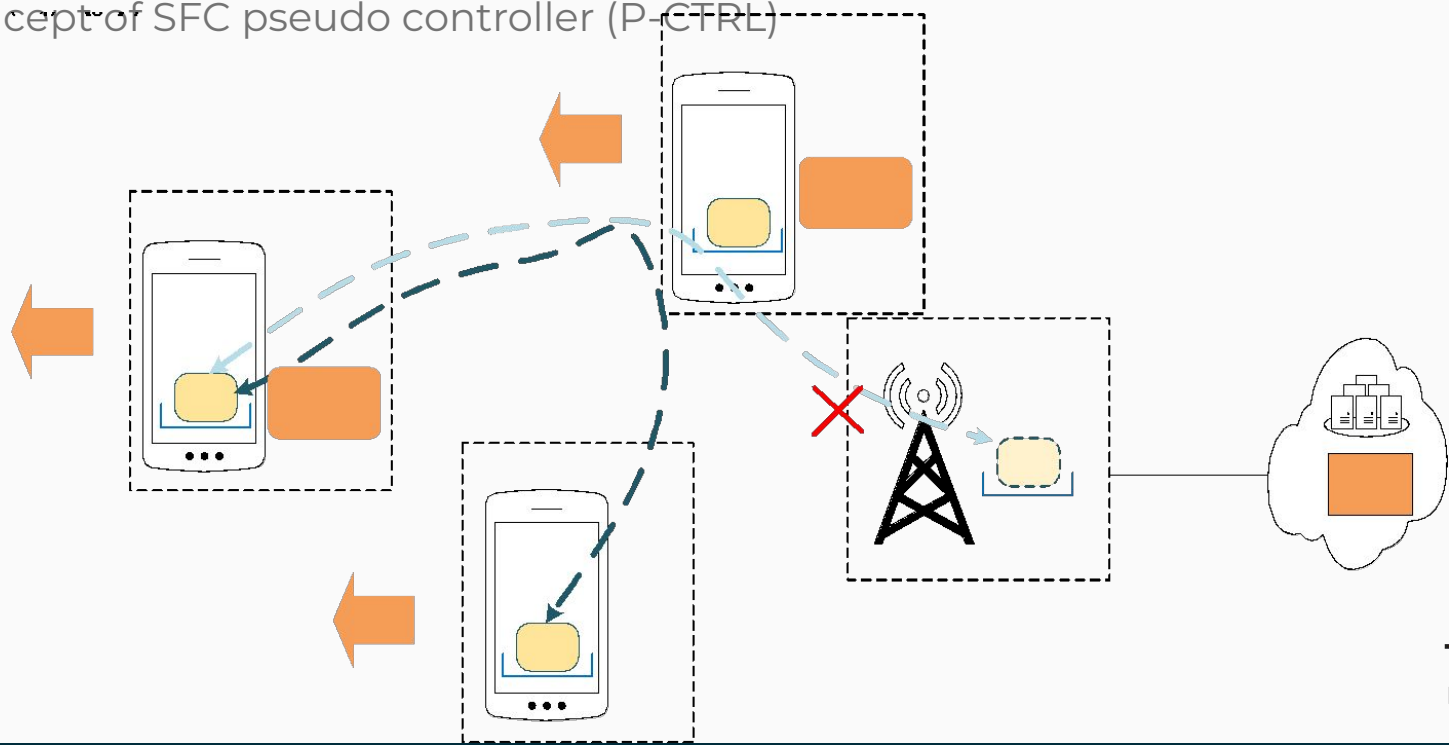
Carlos J. Bernardos  
Alain Mourad

July 2022



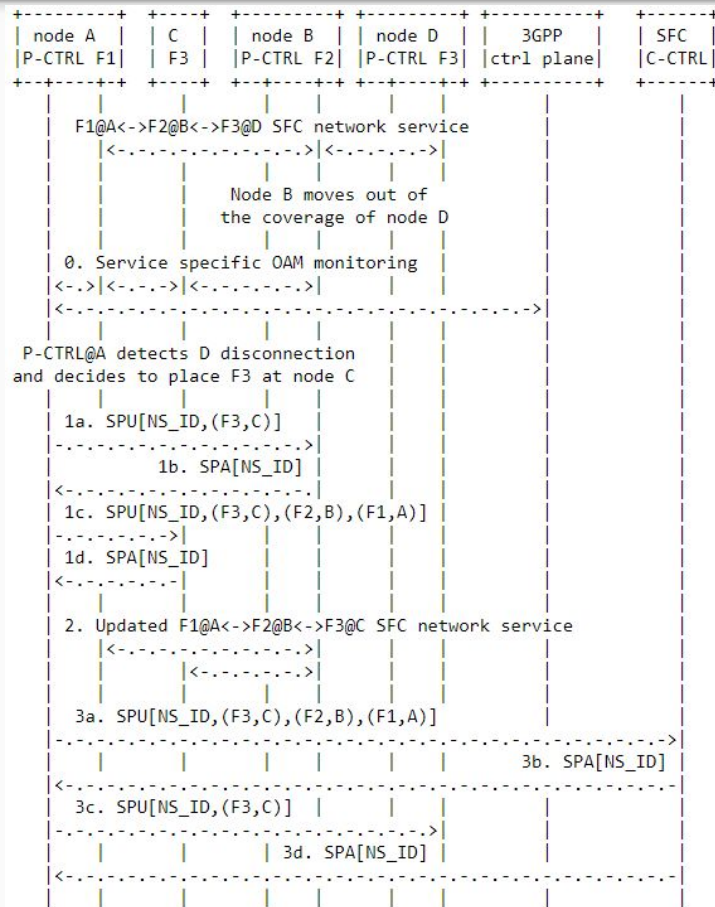
# Motivation: distributed SFC control

- 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)

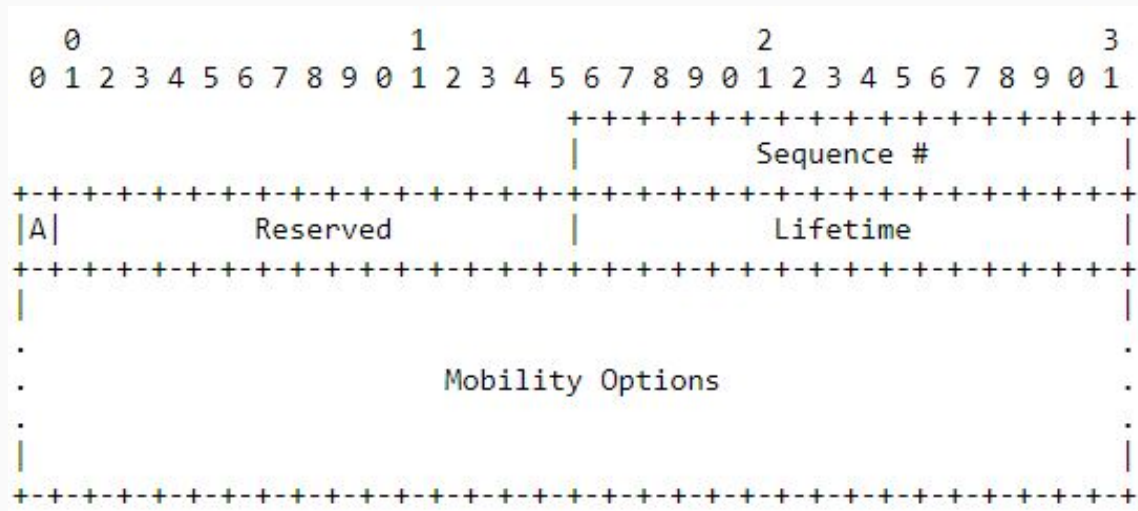


# MIPv6 extensions for SFC mobility

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

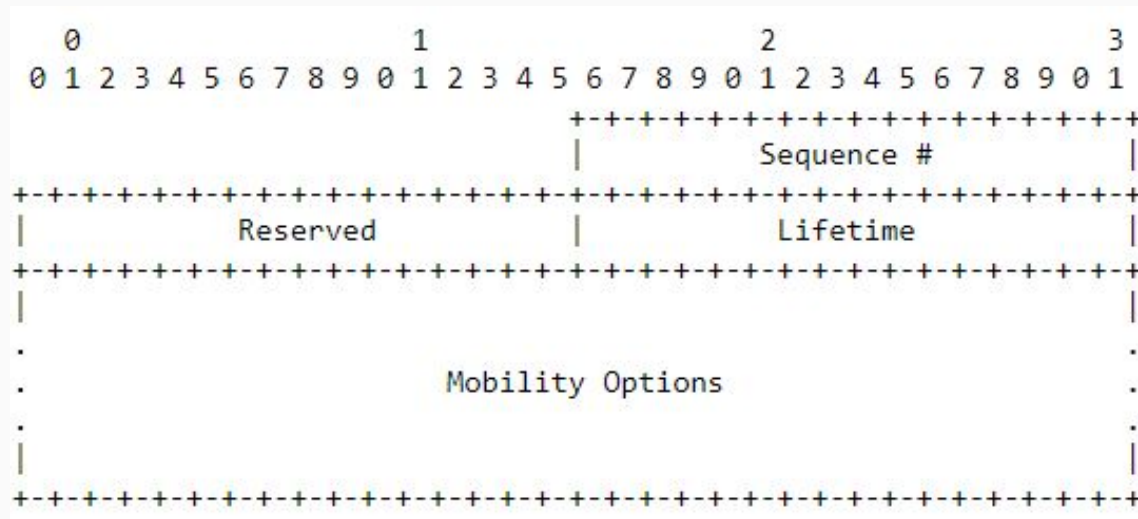


# Service Path Update



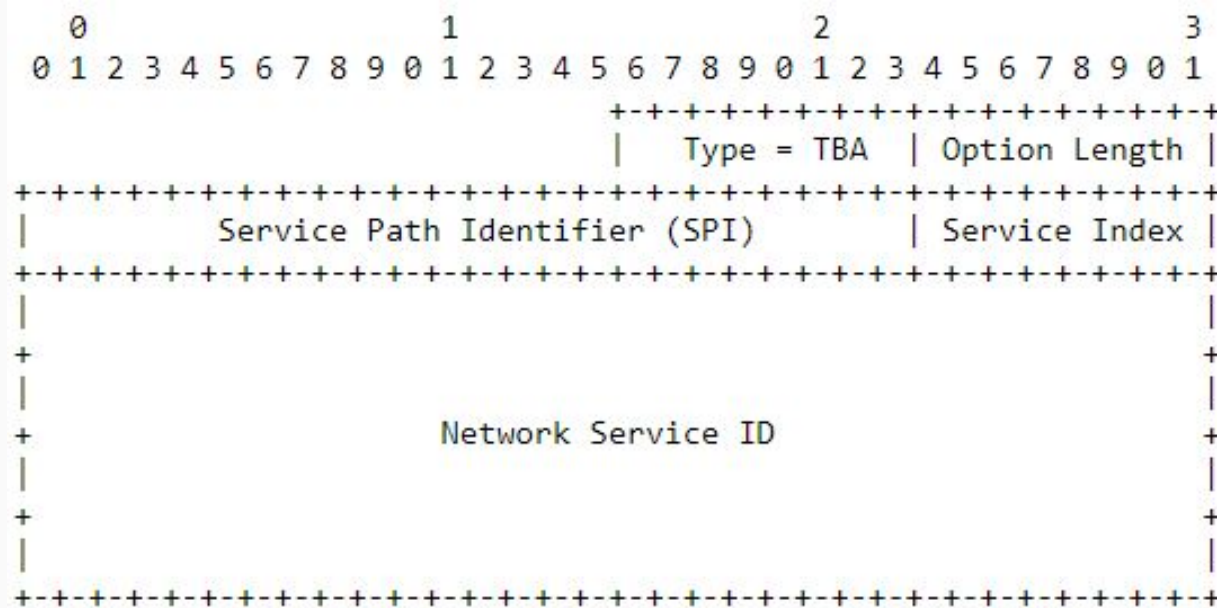
- New MH type
- Mobility options
  - Network Service ID
  - SFC node

# Service Path Acknowledgement



- New MH type
- Mobility options
  - Network Service ID

# Network Service ID mobility option



# SFC node mobility option

