

# Service Function Chaining Use Cases

## draft-liu-sfc-use-cases-07

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# History of the draft

- IETF 88
  - Presented in Vancouver BoF
- Before IETF 89
  - Positive feedback from the mailing list to adopt this draft as starting point: <http://www.ietf.org/mail-archive/web/sfc/current/msg00966.html>
  - 5 support, 0 objection
- IETF 89
  - All positive comments
- After IETF 89
  - Comments received on the list
  - Issues resolved by revision

# Main changes from IETF 89

- The "use case" in title and abstract is changed to "**general use case**"
  - to show the purpose of this draft and relationship with others.
- **Mobile and DC sections are cut short as brief introduction**
  - We delete some figures and paragraphs, and **add pointers referring to the two stand alone drafts.**
- Add **3.3. Common Service Chain Network: A Convergence Tool**
  - describing a convergence use case of mobile and fixed network for integrated operators that running both
  - This use case is more suitable to be put in the general use case draft than any other existing ones
- A paragraph referencing **Broadband Forum (BBF)** is added in Section 3.1 fixed broadband networks use case.
- A section about **Recursive SFC** is added in 4.7.

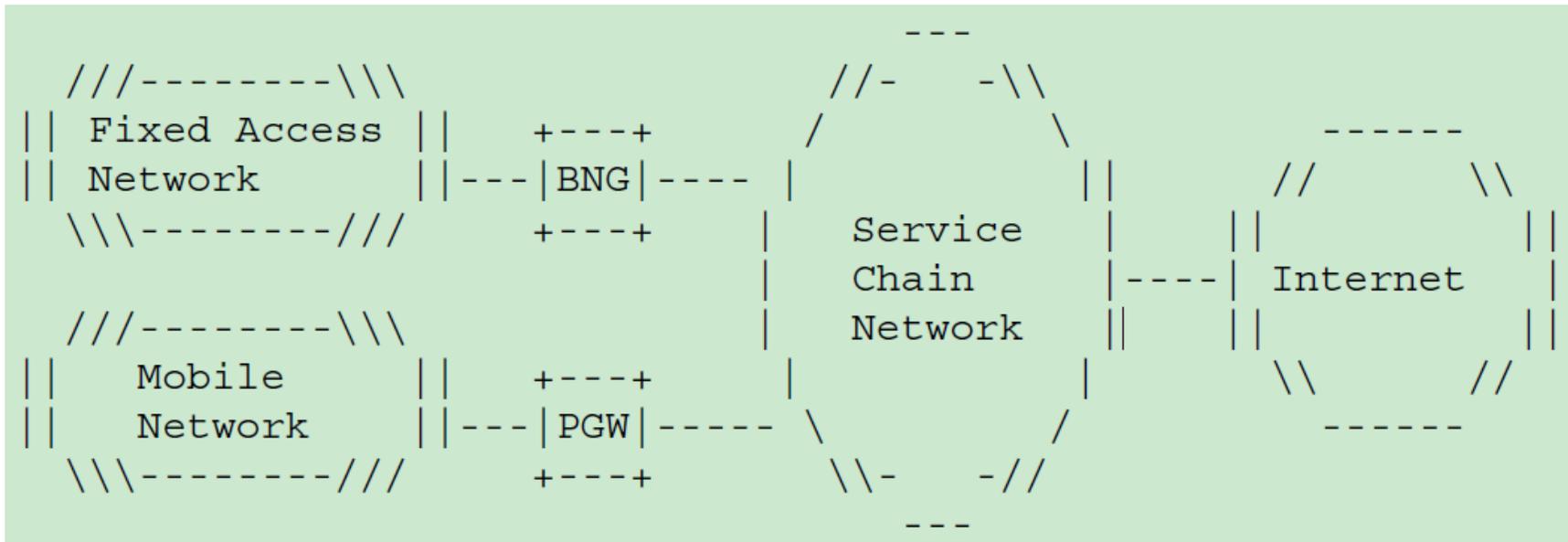
# Delta & Value

- Describe abstraction of SFC in different deployment scenarios
  - Per-service characteristic SFC
  - Per-user/subscription requirement SFC
  - TE-Oriented SFC
  - ...
- Introduce specific use cases
  - Convergence use case
  - Cloud CPE use case
  - Recursive SFC use case
- Summary and pointer of variant use cases
  - Including pointer to wireline broadband network use cases from BBF

# Next Step

- We have updated the draft per WG comments
- We are also ready to harmonize with other WG drafts authors
- Question for WG
  - Adopt as a WG item?

# Common Service Chain Network: A Convergence Tool



- A common service chain network is beneficial for integrated operators
- Also enables seamless service switchover from one network to the other
- SFC can be used as a tool to address convergence needs better

# Objective of this draft

- Introduces a set of general SFC use cases
  - Including convergence SFC use case
- Brief introduction and pointers to detailed standalone use case drafts and wireline broadband use cases in BBF
- Abstraction of SFC deployment scenarios