

# **CAPWAP Control and Data Channel Separation for Multi-provider Scenario**

**draft-you-opsawg-capwap-separation-for-mp-00**

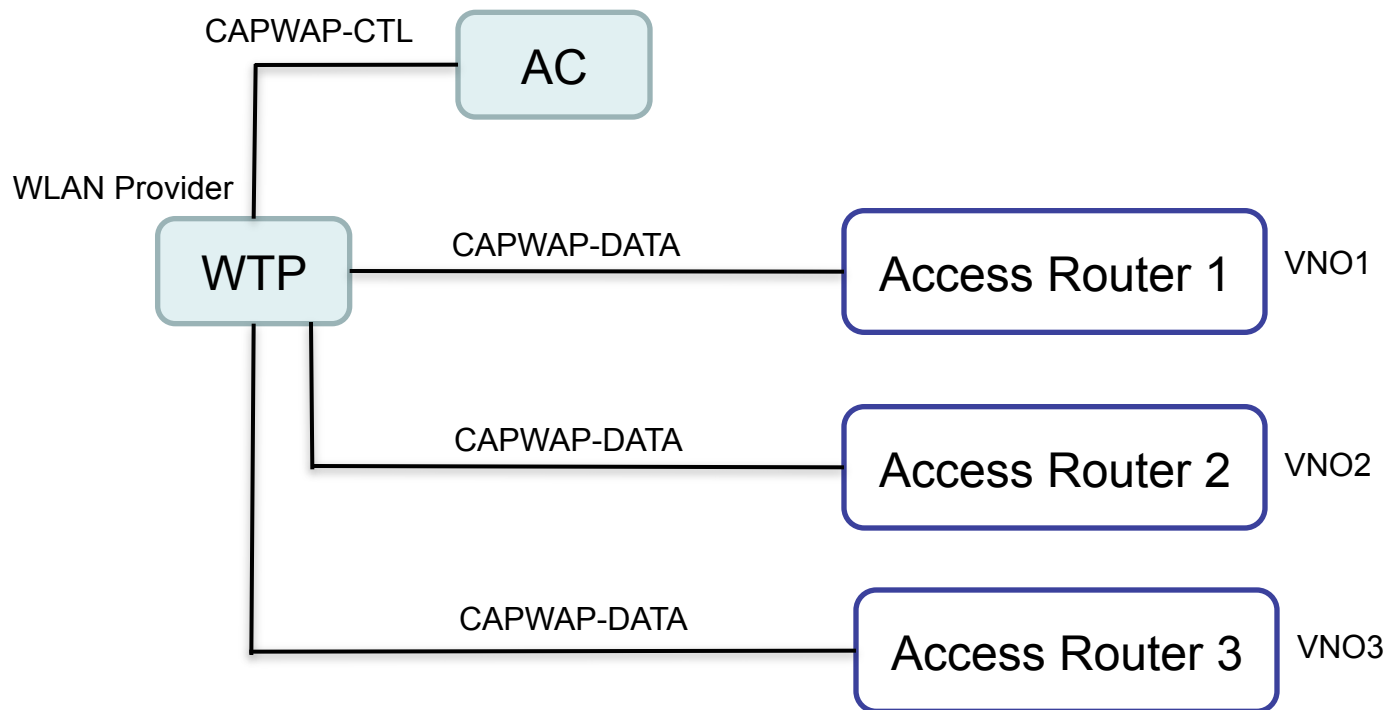
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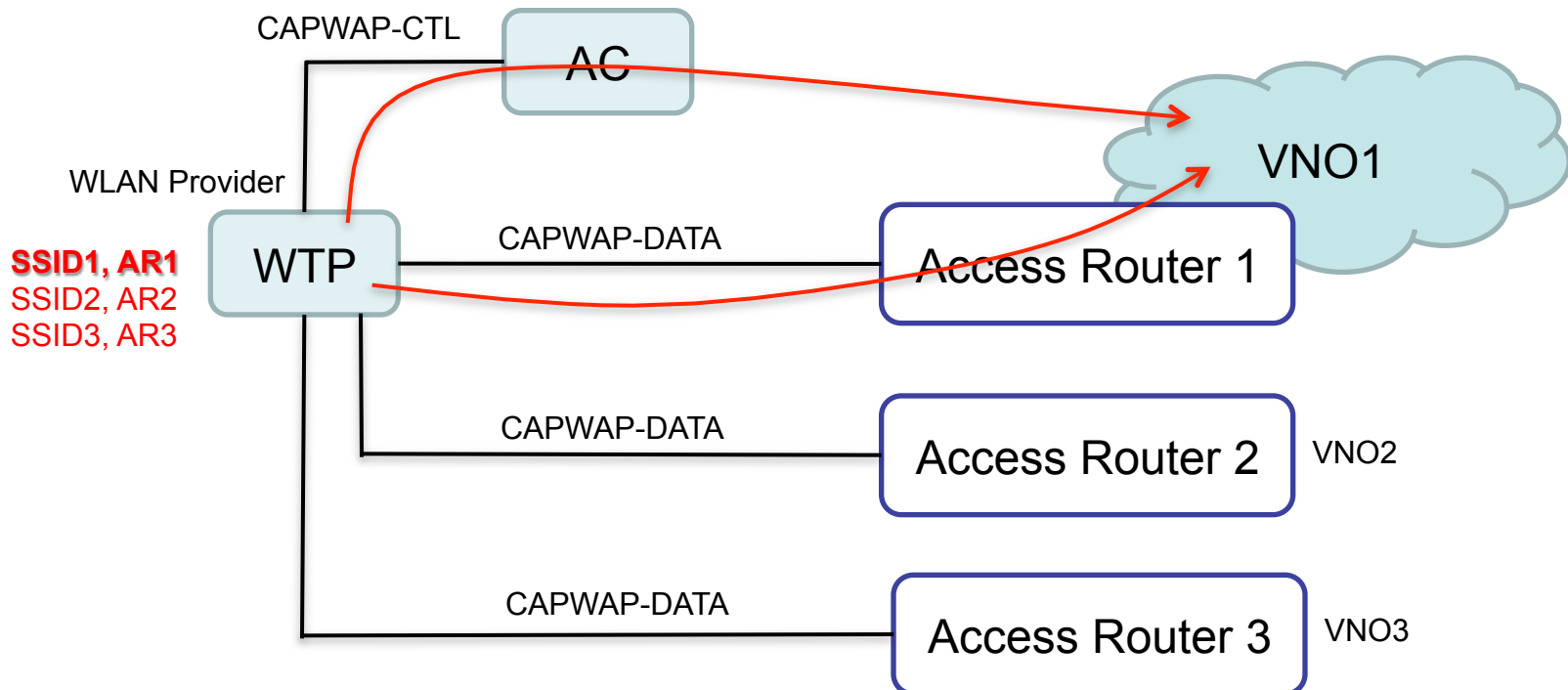
# Motivation and Scenario

- [I-D.ietf-opsawg-capwap-alt-tunnel] supports encapsulating data frames to an Access Router (AR). However, it focuses on single operator's scenario.
- This draft extends CAPWAP to support Virtual Network Operator (VNO) scenario.



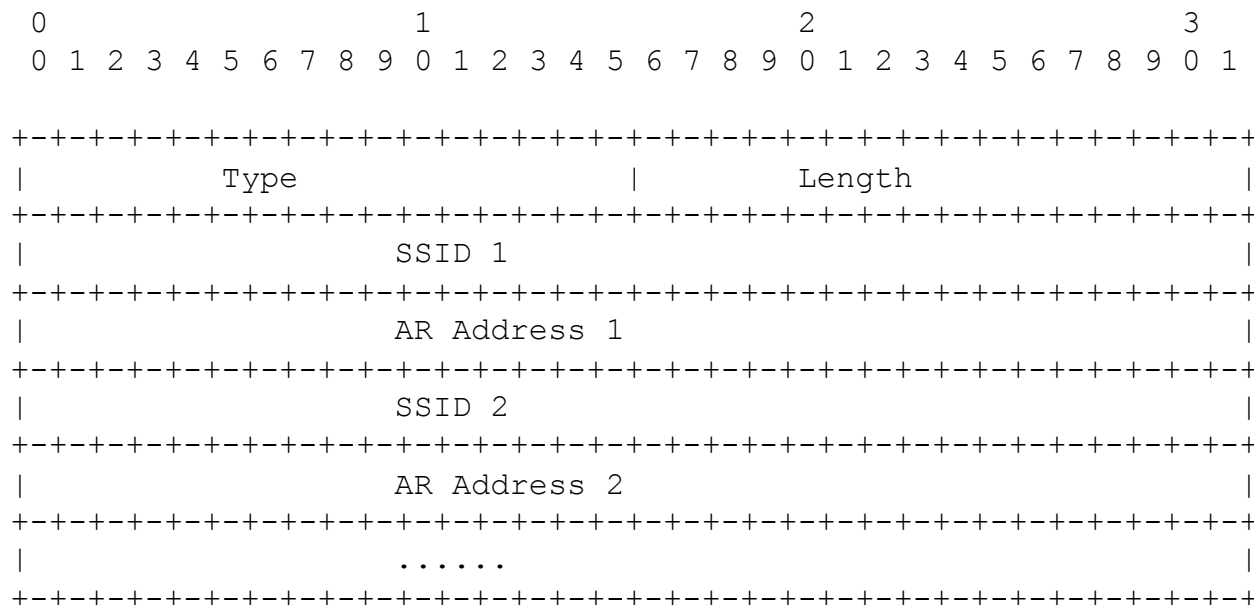
# Split CAPWAP-CTL and CAPWAP-DATA for VNO

The WLAN provider provides network access service for VNOs with different SSIDs.



# CAPWAP AR-and-SSID Association Element

The AC maintains an AR-and-SSID association table, and provides the AR-and-SSID association element to the WTP.



**SSID:** The SSID attribute is the service set identifier that will be advertised by the WTP for this WLAN.  
**AR Address:** the IP address of AR served for WTP in the network.

# Next Step

- [I-D.ietf-opsawg-capwap-alt-tunnel] has been sufficient discussed in the past meeting and has been adopted as a WG draft
- This draft is complementary to [I-D.ietf-opsawg-capwap-alt-tunnel] , and provide an additional CAPWAP message element
- Merge with [I-D.ietf-opsawg-capwap-alt-tunnel] or go separately?

**Thank You!**