

# A Proposal for the Softwire WG

## IETF88

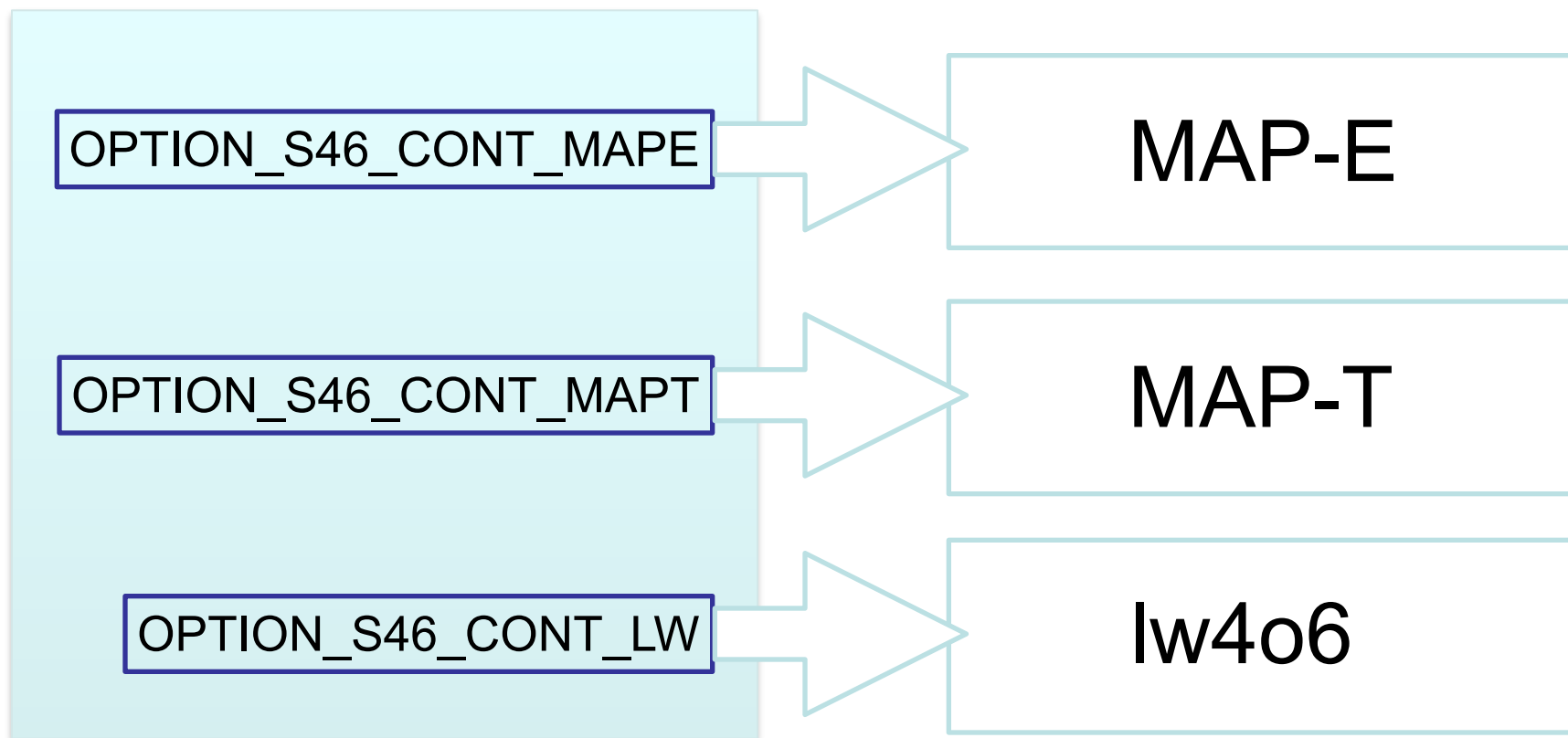
IETF 88 - Vancouver, November 2013

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# Updates since Berlin

- Since IETF87, there has been a lot of work on aligning map-dhcp for use by MAP-E, MAP-T and lw4o6
- The latest version of the map-dhcp draft provides a complete mechanism for this using DHCPv6 (for static provisioning of v4 addr. + ports only)
- The MAP-DHCP draft now uses OPTION\_S46 for the naming - it's now a softwire option

# OPTION\_S46 (the artist formerly known as 'map-dhcp')



- Containers built out of common sub-options
- Implement as many (or few) as you need

# OPTION\_46 cont.

- Provides a simple, aligned way of provisioning the basic configuration
- Working towards the Unified CPE brief
- Allows the client to signal it's capabilities to the operator

# Unified CPE - Future

- The Unified CPE work is still on-going
- The mechanisms that it currently describes will need to be modified
- Simon will cover this in more depth later

# Future Extensions...

- There are a number of other provisioning requirements that are being discussed:
  - Dynamic IPv4 provisioning
  - Additional DHCPv4 option provisioning
  - PCP based provisioning
- The proposal here doesn't preclude or prevent these being developed as separate drafts - it provides a foundation that can be developed and extended

# Proposal

- We've all ~~wasted~~ spent a lot of time discussing these drafts....
- What's being described here gives a coherent set of drafts that can be progressed
- So...

**Let's agree on using OPTION\_S46 for provisioning MAP-E and lw4o6, progress the relevant drafts and get on with our lives!**