Routing Area Working Group Reshuffle

IETF/IEEE Leadership Meeting
Newark, September 29, 2014
Adrian Farrel – Routing AD
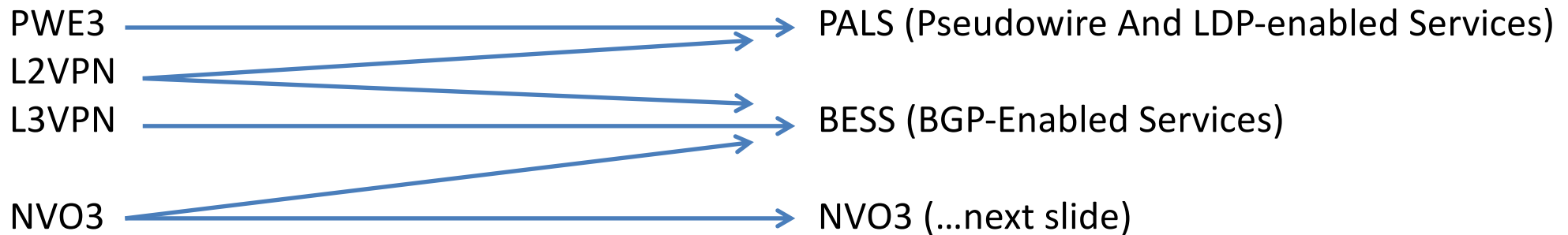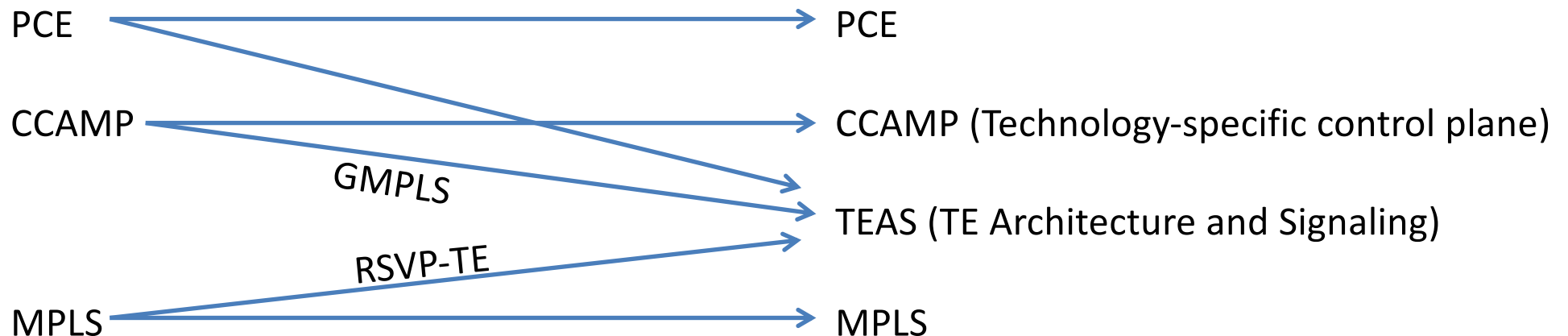adrian@olddog.co.uk

Bottom Line Message

- Nothing to see, move along
- No work is being factored out
- No new work is being slipped in
- All we are doing is rationalising a few clusters of work
- Most WGs remain untouched
- This is "in progress"
  – Some changes before IETF-91 in Honolulu
  – Remaining changes early in the New Year

What's changing?

- RTGWG (The Routing Area Working Group)
  - Minor re-charter for clarity
  - This is now a venue for bringing in new work
- VPNs, Data Centers, Pseudowires, BGP-enabled services

PWE3 ⟶ PALS (Pseudowire And LDP-enabled Services)
L2VPN
L3VPN ⟶ BESS (BGP-Enabled Services)

NVO3 ⟶ NVO3 (…next slide)

- Traffic Engineering, Optical Networking, and RSVP-TE

PCE ⟶ PCE
CCAMP ⟶ CCAMP (Technology-specific control plane)
GMPLS ⟶ TEAS (TE Architecture and Signaling)
RSVP-TE
MPLS ⟶ MPLS

What does this mean for NVO3?

- Currently undergoing re-chartering
  - https://datatracker.ietf.org/doc/charter-ietf-nvo3/
  - Will be sent for external review and notified on New Work
- Still doing…
  - Data center
  - Network virtualization
  - IP-based overlay
- But BGP-based control plane is out of scope
  - This falls in BESS
- Leaves NVO3 with…
  - Architecture and requirements for data center VPNs
    - Use cases if there is desire to work on them
  - Centrally controlled data center VPNs
  - New encapsulations