

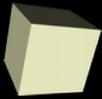


BESS Working Group

BGP-Enabled ServiceS

IETF91 – Honolulu
Nov. 2014

Wed 9:00-11:30, Fri 11:50-13:20



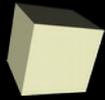
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First BESS meeting

■ Reminder

- ◆ L3VPN is closed, L2VPN will soon be closed too
- ◆ work has been split between PALS and BESS
- ◆ BESS charter is (simplified):
 - What was in l3vpn, unchanged
 - E-VPN (which was in l2vpn)
 - applications to DC and service-chaining

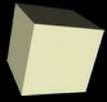
■ How is the transition handled...

- ◆ drafts which passed WGLC:
 - business as usual / no draft name change
- ◆ WG drafts coming from l3vpn or moving from l2vpn to bess:
 - can be resubmitted anytime as draft-ietf-bess-...-00
- ◆ pending adoption calls in L2VPN for drafts in BESS scope
 - judging on consensus will be done by L2VPN chairs
 - if adoption, will be resubmitted as draft-ietf-bess-...-00

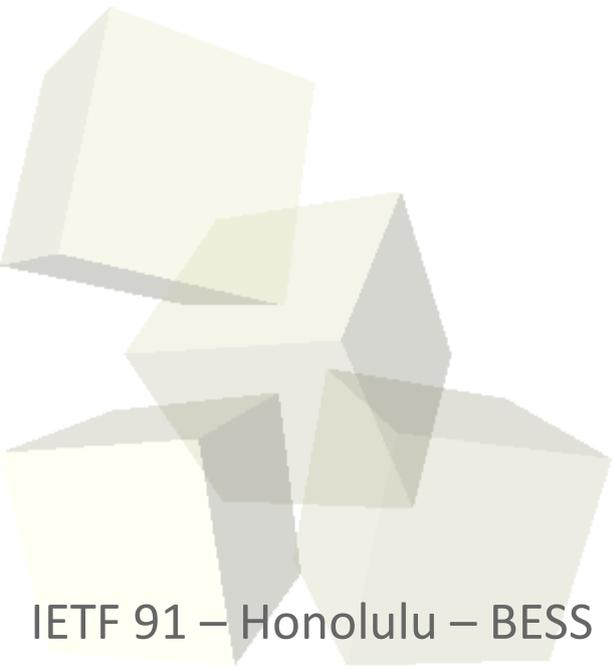


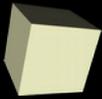
- Daniel King has been I3vpn secretary for more than 5 years
- Many Thanks to you Dan for your help !
- BESS will need a new secretary...





- Minute takers ?
- Consider taking minutes live in the etherpad at:
 - ◆ <http://tools.ietf.org/wg/bess/minutes>



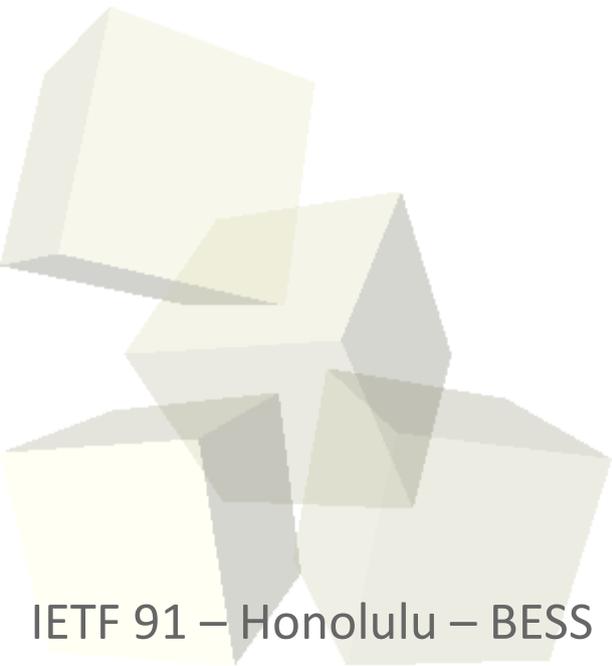


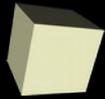
■ In L3VPN

- ◆ draft-ietf-l3vpn-pmsi-registry, published as RFC 7385
- ◆ draft-ietf-l3vpn-end-system, sent to the IESG
- ◆ draft-ietf-l3vpn-mvpn-mldp-nlri, sent to the IESG

■ In L2VPN (for E-VPN related work)

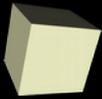
- ◆ E-VPN is in RFC Editor queue





Status of WG documents [1/2]

- WG docs: draft-ietf-{l3vpn,l2vpn,bess}-...
- In IESG review
 - ◆ draft-...-end-system
 - has needed a protocol change to remove a dependency on a stalled XMPP spec, and be able to move forward
 - ◆ draft-...-mvpn-mldp-nlri
- Soon to IESG
 - ◆ draft-...-accepttown-community
 - needs a revision following shepherd review
 - ◆ draft-...-mvpn-bidir
 - was re-lastcalled following IPR late disclosure
 - waiting for shepherd review
 - ◆ draft-...-mvpn-extranet
 - passed WG last call (announce pending)



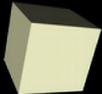
Status of WG documents [2/2]

■ Ready for WGLC:

- ◆ draft-...-mvpn-global-table-mcast
- ◆ draft-...-mvpn-bidir-ingress-replication
- ◆ draft-...-vpls-multihoming

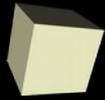
■ Others

- ◆ draft-...-end-system-requirements
- ◆ draft-...-l2l3-vpn-mcast-mib & draft-...-mvpn-mib
- ◆ draft-...-orf-covering-prefixes
- ◆ draft-...-mvpn-pe-ce
- ◆ draft-...-virtual-subnet
- ◆ draft-...-trill-evpn
- ◆ draft-...-spbm-evpn
- ◆ draft-...-virtual-pe



- Drafts on which we will do a call for adoption soon:
 - ◆ draft-rosen-l3vpn-ir
 - ◆ draft-mapathak-interas-ab
 - still active ?
 - ◆ draft-xu-l3vpn-virtual-subnet-fib-reduction
 - ◆ draft-rfernando-l3vpn-service-chaining

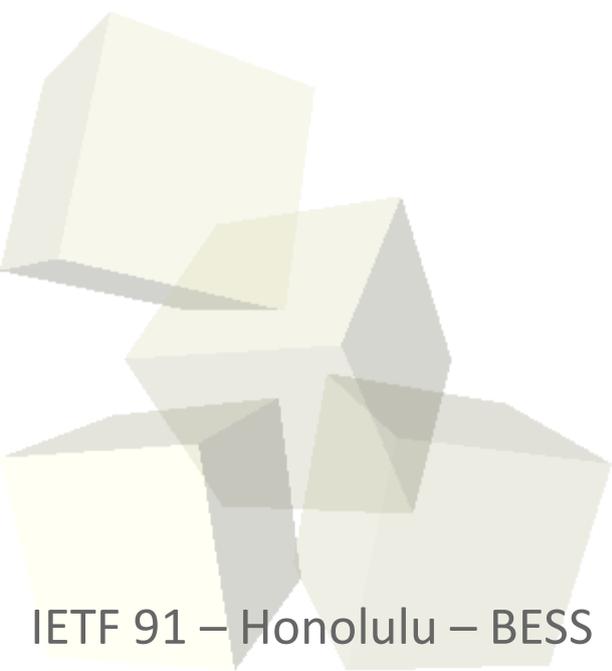




- Several late disclosures impeding smooth activity of the working group
 - ◆ *“as soon as reasonably possible after the Contribution is published”*
- You are expected to read and understand RFC3979
 - ◆ Can be applicable to you as an author
 - ◆ Can be applicable to you as a WG contributor
 - ◆ On your own IPR
 - ◆ On somebody else IPR
 - ◆ (of course, please see a lawyer for a formal interpretation)
- The question chair ask at adoption and WG last call time are just reminders: you have to comply with the rules before we ask, and even if we do not ask
- Be aware that sanctions can be taken
 - ◆ RFC6701 is a good read



- Please fill-in the **blue** sheets pass them on, and return them to the chairs.
- Thank you !





Wed. session agenda

- **WG status**, chairs 10'
- **VPLS multihoming**, Senad 5'
draft-ietf-l2vpn-vpls-multihoming]
- **mVPN explicit tracking**, Andrew 10'
draft-dolganow-l3vpn-mvpn-expl-track
- **mVPN fast-failover**, Robert 10'
draft-morin-bess-mvpn-fast-failover
- **mVPN state damping**, Thomas 10'
draft-morin-bess-multicast-damping
- **Yang datamodels for l3vpn/l2vpn**, Robin 15'
draft-zhuang-{l3vpn,l2vpn,l2vpn-evpn}-yang-cfg
 - + open discussion on Yang datamodels for BESS, 10'
- **AC-influenced E-VPN DF Election**, Jorge 10'
draft-rabadan-bess-evpn-ac-df
- **New DF Election for EVPN**, Satya 10'
draft-mohanty-l2vpn-evpn-df-election
 - + open discussion on E-VPN DF Election 10'
- **mLDP E-VPN**, Dave 10'
draft-allan-l2vpn-mldp-evpn
- **Inter-AS Opt.C bw. NVO3 and BGP/MPLS IP VPNs**, Weiguo Hao, 10'
draft-inter-nvo3-vpn-optionc
- **E-VPN prefix advertisement**, Jorge 10'
draft-rabadan-l2vpn-evpn-prefix-advertisement
- **E-VPN DCI**, Jorge 10'
draft-rabadan-bess-dci-evpn-overlay

**Agenda bashing:
please bash !**

**Timeslot includes
questions**

**Don't forget we
have a session on
Friday too !**

- **E-VPN virtual segments**, Ali, 10'
draft-sajassi-bess-evpn-virtual-eth-segment
- **E-VPN E-Tree**, Ali, 10'
draft-sajassi-bess-evpn-etree
- **E-VPN/VPLS seamless integration**, Ali, 10'
draft-sajassi-bess-evpn-vpls-seamless-integ
- **VPWS with E-VPN**, Sami, 10'
draft-boutros-l2vpn-evpn-vpws
- **VXLAN DCI using EVPN**, Sami, 10'
draft-boutros-l2vpn-evpn-vxlan
- **Service Function Chains Using Virtual Networking**, Ron/Kireeti, 10'
draft-mackie-sfc-using-virtual-networking
- **Virtual Topologies for Service Chaining in VPNs**, Dhananjaya, 10'
draft-rfernando-l3vpn-service-chaining
- **/ open discussion on service chaining**, 20'

**Agenda bashing:
please bash !**

**Timeslot includes
questions**



Yang datamodels for BESS

- Yang work for BESS is relevant
 - ◆ Explicitly called out in our charter
- However...
- We think work needs to be done together with people from more than one vendor, and include operator(s)
 - ◆ We are unlikely to adopt drafts that fail to do that
- And coordination over the whole Routing Area is very important
 - ◆ People working on Yang datamodel proposals need to coordinate with other work in Routing area
 - rtg-yang-coord mailing list
 - subscribe/follow and announce your work
 - Routing YANG Coordinators: Qin Wu and Dave Sinicrope
 - Wiki: <http://trac.tools.ietf.org/area/rtg/trac/wiki/RtgYangCoord>

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draft-sajassi-bess-evpn-virtual-eth-segment
- **E-VPN E-Tree**, Ali, 10'
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