IETF87
Berlin

July 28th – August 2nd

InterContinental

Berlin, Germany

Table of Contents

Area Directors

Applications Area (APP)
- Barry Leiba, Huawei Technologies
- Pete Resnick, QTI, a Qualcomm company

General Area (GEN)
- Jari Arkko, Ericsson

Internet Area (INT)
- Brian Haberman, Johns Hopkins University
- Ted Lemon, Nominum

Operations and Management Area (OPS)
- Benoit Claise, Cisco
- Joel Jaeggli, Zynga

Real-time Applications and Infrastructure Area (RAI)
- Richard Barnes, BBN
- Gonzalo Camarillo, Ericsson

Routing Area (RTG)
- Stewart Bryant, Cisco Systems
- Adrian Farrel, Juniper Networks

Security Area (SEC)
- Stephen Farrell, Trinity College Dublin
- Sean Turner, IECA, Inc.

Transport Area (TSV)
- Spencer Dawkins, Huawei
- Martin Stiemerling, NEC

Welcome from the IETF Chair

Welcome to IETF 87 in Berlin!   The previous time IETF was in Germany was in August 1997 in Munich – that was a long time ago but it is a pleasure to be back!   I'm looking forward to collaborating with many talented and enthusiastic people throughout the week. And I'm very happy that we will have a large number of first time attendees with us this time – welcome to the IETF!

DENIC is the platinum sponsor for IETF 87. Deutsche Telekom, EURid, eco, Dyn, and ADVA Optical Networking are also sponsoring IETF 87.   DENIC has also organized a social event at the German Museum of Technology (Deutsches Technikmuseum). I am looking forward to it. Deutsche Telekom is sponsoring the network connectivity. Many thanks to our sponsors; we could not have a quality meeting without your strong support.

Our fourth Bits-N-Bites event will take place on Thursday evening. It includes exhibitor tables, free food, and free drink. Attendance is optional, but our previous visitors seemed to have fun! I would like to thank the sponsors for making this event possible. There are tables from A10 Networks, Dyn, Comcast, Nominum, IPSO Alliance, Huawei, ICANN, and Internet Society.

I am particularly excited about the many new work proposals we have this time. The week includes 12 Birds of a Feather (BoF) meetings: STATUS, NSC, IPRBIS, POSH, STIR, 6TSCH, DMARC, AQM, DNSSDEXT, DICE, TCMTF, and 6LO. Be sure to follow the ones that might interest you!

I look forward to your participation this week, and I look forward to seeing you also at IETF 88 in Vancouver, BC, Canada on November 3rd to 8th, 2013.

Thanks for all you do for the Internet!

Jari Arkko
IETF Chair

Registration

Location: Potsdam Foyer

DAY	HOURS
Sunday	1100 – 1900
Monday	0800 – 1800
Tuesday	0800 – 1800
Wednesday	0800 – 1700
Thursday	0800 – 1700
Friday	0800 – 1100

Note: To request a hard copy receipt, please send an email to registrar@ietf.org. Hard copy receipts will be available at the registration desk starting at 0800 on Wednesday, July 31, 2013.

Badges and Dots

Please wear your badge at all times.

Dot Key:
Blue: Working Group & BOF Chairs
Red: IAB
Yellow: IESG
Purple: IAOC
Pink: IRSG
Green: Host
Orange: NomCom
Teal: RFC Series Editor

Banner Key:
Maroon Banner: First-Time Attendee
Orange Banner: Press

Note that people with ☺ stickers on their badge indicate that they are particularly willing to answer questions about the IETF.

Terminal Room

The Terminal Room will be in Koepenick 1/2. 24-hour access is available starting at 1600 Sunday, July 29 through 1500 Friday, August 2. *NOTE: IETF badge required to enter the Terminal Room.*

Meeting Wiki

A wiki of useful meeting-related information, including transportation information and dining suggestions is available here:

http://www.ietf.org/registration/MeetingWiki/wiki/ietf87

Food & Beverage Service*

Sunday Welcome Reception:
1700 – 1900 in Pavillion

Beverage & Snack Service:
Potsdam Foyer and Wintergarten

DAY	TIME
Monday	• 0800-0900 (Beverage Break) • 1500-1510 (Beverage Break) • 1720-1740 (Beverage & Snack Break)
Tuesday	• 0800-0900 (Beverage Break) • 1500-1520 (Beverage & Snack Break)
Wednesday	• 0800-0900 (Beverage Break) • 1500-1510 (Beverage Break) • 1720-1740 (Beverage & Snack Break)
Thursday	• 0800-0900 (Beverage Break) • 1500-1520 (Beverage & Snack Break)
Friday	• 0800-0900 (Beverage Break) • 1100-1120 (Beverage & Snack Break)

* Hotel breakfast is included with your room if you are staying in a room within the IETF room block; see http://www.ietf.org/meeting/87/hotel.html for more details. Breakfast will not be provided at the meeting.
* Lunch and dinner are not provided.

Lost and Found

Please turn in all "found" items to the IETF Registration Desk, Potsdam Foyer.

Social Event

Where: German Museum of Technology (Deutsches Technikmuseum) in Berlin
Date: Tuesday, July 30, 2013
Time: 1900-2400
Host: DENIC
Cost: $30 USD/person (kids under 14 are free)
Info: http://www.ietf.org/meeting/87/social.html

Message Board

Located near the IETF Registration Desk. The message board contains important information such as agenda changes, incoming phone messages and messages to other attendees. Please do not post resumes, job openings or solicitations of any kind.

Meeting Communication

Troubleshooting

When reporting problems, please be as specific as possible in your message and remember to include the room name.

For network connectivity and audio streaming issues, please contact **noc@ietf.org**.

For all other meeting issues, including A/V and environmental issues (e.g. noise, temperature), please contact **mtd@ietf.org**.

Audio Streaming

Audio streaming during the meeting can be accessed at:

http://ietf87streaming.dnsalias.net/ietf/

Following the meeting, the audio archives will be housed on the IETF website at:

http://www.ietf.org/audio/ietf87/

Jabber Rooms

Jabber rooms are available for each session and use the name of the working group:

[wg]@jabber.ietf.org

Logging is automatically enabled in each room. The logs are located here: **http://jabber.ietf.org/logs/**

For more information about Jabber, see **http://www.jabber.org/**

Meeting Mail Lists

87ALL
Everyone who has registered for the meeting is subscribed to 87ALL. The list is reserved for official communication from the IETF Administrative Director (IAD) and the Secretariat. **Attendees cannot send to this list.**

87ATTENDEES
This list is intended for community discussions during the meeting. All subscribers can send to this list. Subscribe and unsubscribe at **http://www.ietf.org/mailman/listinfo/87attendees**. This mailing list will expire 30 days after meeting.

Note Well

Any submission to the IETF intended by the Contributor for publication as all or part of an IETF Internet-Draft or RFC and any statement made within the context of an IETF activity is considered an "IETF Contribution". Such statements include oral statements in IETF sessions, as well as written and electronic communications made at any time or place, which are addressed to:

- The IETF plenary session
- The IESG, or any member thereof on behalf of the IESG
- Any IETF mailing list, including the IETF list itself, any working group or design team list, or any other list functioning under IETF auspices
- Any IETF working group or portion thereof
- Any Birds of a Feather (BOF) session
- The IAB or any member thereof on behalf of the IAB
- The RFC Editor or the Internet-Drafts function

All IETF Contributions are subject to the rules of RFC 5378 and RFC 3979 (updated by RFC 4879).

Statements made outside of an IETF session, mailing list or other function, that are clearly not intended to be input to an IETF activity, group or function, are not IETF Contributions in the context of this notice.
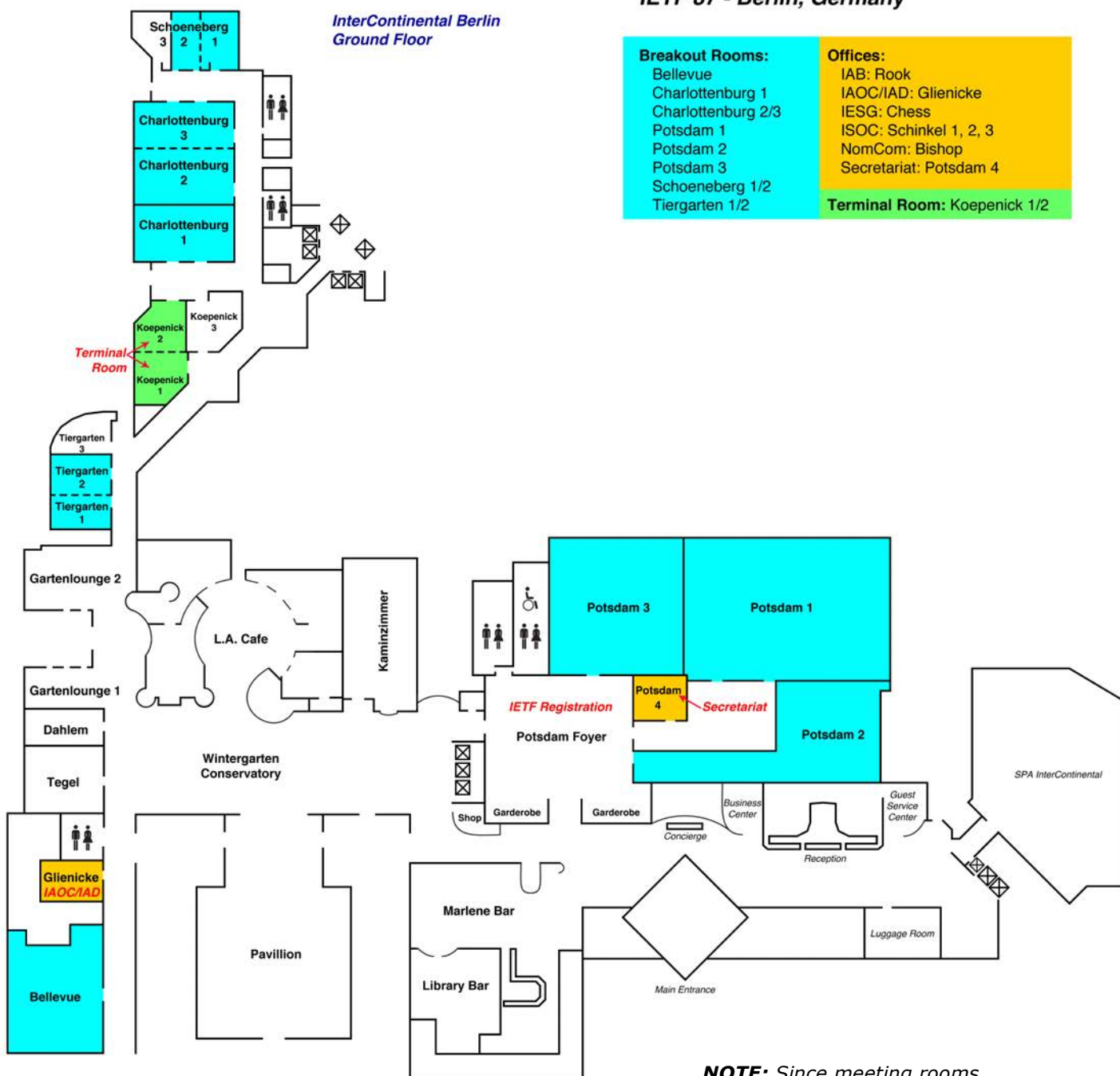
Please consult RFC 5378 and RFC 3979 for details.

A participant in any IETF activity is deemed to accept all IETF rules of process, as documented in Best Current Practices RFCs and IESG Statements.

A participant in any IETF activity acknowledges that written, audio and video records of meetings may be made and may be available to the public.

Floor Plans

IETF 87 - Berlin, Germany

InterContinental Berlin Ground Floor

Breakout Rooms:	Offices:
Bellevue	IAB: Rook
Charlottenburg 1	IAOC/IAD: Glienicke
Charlottenburg 2/3	IESG: Chess
Potsdam 1	ISOC: Schinkel 1, 2, 3
Potsdam 2	NomCom: Bishop
Potsdam 3	Secretariat: Potsdam 4
Schoeneberg 1/2	
Tiergarten 1/2	**Terminal Room:** Koepenick 1/2

Floor plan labels: Schoeneberg 3 2 1, Charlottenburg 3, Charlottenburg 2, Charlottenburg 1, Koepenick 2, Koepenick 3, Koepenick 1, Terminal Room, Tiergarten 3, Tiergarten 2, Tiergarten 1, Gartenlounge 2, Gartenlounge 1, Dahlem, Tegel, Glienicke IAOC/IAD, Bellevue, L.A. Cafe, Kaminzimmer, Wintergarten Conservatory, Pavillion, Marlene Bar, Library Bar, Shop, Garderobe, Garderobe, Potsdam 3, Potsdam 1, Potsdam 4, Secretariat, IETF Registration, Potsdam Foyer, Potsdam 2, Business Center, Concierge, Reception, Guest Service Center, SPA InterContinental, Main Entrance, Luggage Room

NOTE: *Since meeting rooms are typically air-conditioned and personal comfort zones vary widely, it is recommended that you bring a sweater or light jacket with you to all indoor functions.*

IETF 87 - Berlin, Germany

Breakout Rooms:	Offices:
Bellevue	IAB: Rook
Charlottenburg 1	IAOC/IAD: Glienicke
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Potsdam 1	ISOC: Schinkel 1, 2, 3
Potsdam 2	NomCom: Bishop
Potsdam 3	Secretariat: Potsdam 4
Schoeneberg 1/2	
Tiergarten 1/2	**Terminal Room:** Koepenick 1/2

**InterContinental Berlin
2nd Floor Trigon**

Humboldt Reuter Fontane

Stairs Lincke 2 Lincke 1

Schinkel 3

Schinkel 2 ISOC

Conference Lounge

Schinkel 1

Zille

Stairs Herlitz

Show Room

**InterContinental Berlin
2nd Floor**

Check

Foyer

Chess Rook
IESG IAB

Bishop Knight
NomCom

King Queen
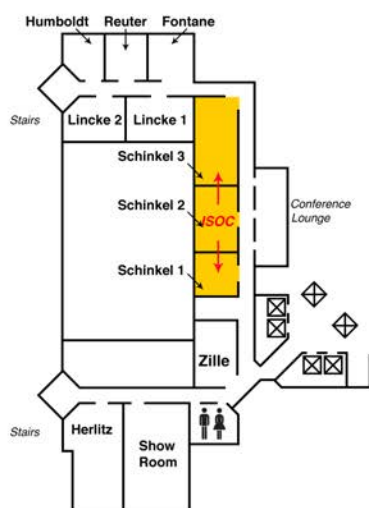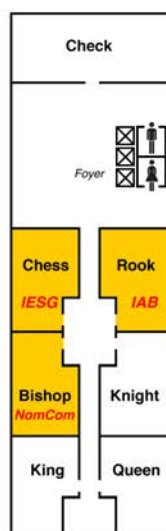
**InterContinental Berlin
14th Floor
Hugos Restaurant**

Hugos

Foyer

Foyer Bar

Hugos West Hugos East

Hugos South
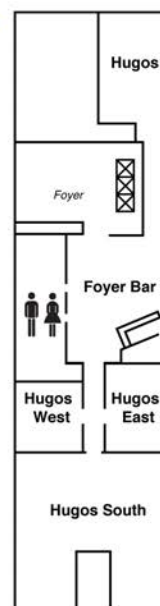
Agenda of IETF 87, July 28-August 2, 2013

New additions to a meeting slot are marked in blue.

All other agenda changes are marked in red.

SATURDAY, July 27, 2013
0930-1800   Code Sprint – Koepenick 1/2

SUNDAY, July 28, 2013
1100-1900   IETF Registration – Potsdam Foyer
1000-1200   IEPG Meeting - Bellevue
1300-1450   Newcomers' Orientation – Potsdam 3
1300-1450   Tools for Creating IDs and RFCs - Bellevue
1300-1450   IAOC Overview Session – Potsdam 1
1500-1650   Applying IP Flow Information Export to Network Measurement and Management - Bellevue
1500-1650   Multipatch TCP – Potsdam 3
1600-1700   Newcomers' Meet and Greet (open to Newcomers and WG chairs only) – Hugos South
1700-1900   Welcome Reception - Pavillion

MONDAY, July 29, 2013

0800-1800   **IETF Registration - Potsdam Foyer**
0800-0900   **Beverage Break - Potsdam Foyer and Wintergarten**
0900-1130   **Morning Session I**

Charlottenburg 2/3	APP	appsawg	Applications Area Working Group WG - Combined with APPAREA
Potsdam 1	INT	homenet	Home Networking WG
Potsdam 3	IRTF	sdnrg	Software Defined Networking Research Group
Schoeneberg 1/2	OPS	eman	Energy Management WG - 0900-1000
Schoeneberg 1/2	OPS	ipfix	IP Flow Information Export WG - 1000-1130
Charlottenburg 1	OPS	opsec	Operational Security Capabilities for IP Network Infrastructure WG
Tiergarten 1/2	RAI	clue	ControLling mUltiple streams for tElepresence WG
Bellevue	RTG	l2vpn	Layer 2 Virtual Private Networks WG
Potsdam 2	TSV	tsvwg	Transport Area Working Group WG

1130-1300   **Break**
1300-1500   **Afternoon Session I**

Potsdam 3	APP	core	Constrained RESTful Environments WG
Bellevue	IRTF	ncrg	Network Complexity Research Group
Tiergarten 1/2	RAI	ecrit	Emergency Context Resolution with Internet Technologies WG
Potsdam 1	RTG	status	Stacked Tunnels for Source Routing BOF
Charlottenburg 1	TSV	behave	Behavior Engineering for Hindrance Avoidance WG
Charlottenburg 2/3	TSV	conex	Congestion Exposure WG

1500-1510   **Beverage Break - Potsdam Foyer and Wintergarten**
1510-1610   **Afternoon Session II**

Charlottenburg 1	APP	paws	Protocol to Access WS database WG
Potsdam 2	APP	websec	Web Security WG
Potsdam 3	GEN	iprbis	Proposed Update IPR Policy BOF
Bellevue	INT	6man	IPv6 Maintenance WG
Tiergarten 1/2	IRTF	cfrg	Crypto Forum Research Group
Schoeneberg 1/2	RAI	xrblock	Metric Blocks for use with RTCP's Extended Report Framework WG
Potsdam 1	RTG	nsc	Network Service Chaining BOF
Charlottenburg 2/3	TSV	tsvwg	Transport Area Working Group WG

1620-1720   **Afternoon Session III**

Charlottenburg 1	APP	paws	Protocol to Access WS database WG
Bellevue	INT	6man	IPv6 Maintenance WG
Tiergarten 1/2	IRTF	iccrg	Internet Congestion Control Research Group
Charlottenburg 2/3	SEC	posh	PKIX over Secure HTTP BOF
Potsdam 2	TSV	alto	Application-Layer Traffic Optimization WG

1720-1740   **Beverage and Snack Break - Potsdam Foyer and Wintergarten**
1740-1940   **Technical Plenary - Potsdam 1/3**

1. IAB Chair Report
2. IRTF Chair Report
3. RSE and RSOC Chair Report
4. Technical Topic: Opus Codec
    The OPUS codec, defined in RFC 6716, can scale from low bit-rate narrowband speech to very high quality stereo music, making it suitable for a wide range of audio applications. This session covers the past and future of Opus as well as the lessons learned that could apply to future IETF work.
    a. Introduction
    b. Overview of Opus
    c. Testing
    d. History of Opus in the IETF
    e. Opus Deployment Panel
    f. Future Work
5. Open Mic

References:
http://www.opus-codec.org/
http://www.youtube.com/watch?feature=player_embedded&v=iaAD71h9gDU

0800-1800	**IETF Registration - Potsdam Foyer**			
0800-0900	**Beverage Break - Potsdam Foyer and Wintergarten**			
0900-1130	**Morning Session I**			
	Bellevue	INT	softwire	Softwires WG
	Charlottenburg 1	INT	tictoc	Timing over IP Connection and Transfer of Clock WG - Joint Session with NTP
	Potsdam 3	IRTF	irtfopen	IRTF Open Meeting
	Potsdam 2	OPS	lmap	Large-Scale Measurement of Broadband Performance WG
	Potsdam 1	RAI	stir	Secure Telephone Identity Revisited BOF
	Charlottenburg 2/3	RTG	l3vpn	Layer 3 Virtual Private Networks WG
	Schoeneberg 1/2	SEC	emu	EAP Method Update WG - 0900-1000
	Schoeneberg 1/2	SEC	ipsecme	IP Security Maintenance and Extensions WG - 1000-1130
	Tiergarten 1/2	TSV	tcpm	TCP Maintenance and Minor Extensions WG
1130-1300	**Break**			
1300-1500	**Afternoon Session I**			
	Tiergarten 1/2	INT	netext	Network-Based Mobility Extensions WG
	Charlottenburg 1	INT	pcp	Port Control Protocol WG
	Schoeneberg 1/2	IRTF	nmrg	Network Management Research Group
	Potsdam 1	OPS	v6ops	IPv6 Operations WG
	Bellevue	RAI	mmusic	Multiparty Multimedia Session Control WG
	Potsdam 3	RTG	rtgarea	Routing Area Open Meeting
	Charlottenburg 2/3	SEC	jose	Javascript Object Signing and Encryption WG
	Potsdam 2	TSV	mptcp	Multipath TCP WG
1500-1520	**Beverage and Snack Break - Potsdam Foyer and Wintergarten**			
1520-1650	**Afternoon Session II**			
	Potsdam 1	APP	dmarc	Domain-based Message Authentication, Reporting & Conformance BOF
	Bellevue	INT	6tsch	Deterministic IPv6 over IEEE802.15.4e Timeslotted Channel Hopping BOF
	Schoeneberg 1/2	IRTF	nmrg	Network Management Research Group
	Charlottenburg 1	OPS	bmwg	Benchmarking Methodology WG
	Charlottenburg 2/3	RAI	siprec	SIP Recording WG
	Potsdam 2	RTG	forces	Forwarding and Control Element Separation WG
	Tiergarten 1/2	SEC	abfab	Application Bridging for Federated Access Beyond web WG
	Potsdam 3	TSV	cdni	Content Delivery Networks Interconnection WG
1700-1830	**Afternoon Session III**			
	Charlottenburg 2/3	INT	trill	Transparent Interconnection of Lots of Links WG
	Bellevue	OPS	grow	Global Routing Operations WG
	Charlottenburg 1	OPS	mboned	MBONE Deployment WG
	Schoeneberg 1/2	OPS	radext	RADIUS EXTensions WG
	Potsdam 2	RAI	avtext	Audio/Video Transport Extensions WG
	Potsdam 3	RTG	ccamp	Common Control and Measurement Plane WG
	Tiergarten 1/2	SEC	mile	Managed Incident Lightweight Exchange WG
	Potsdam 1	TSV	aqm	Active Queue Management and Packet Scheduling BOF

0800-1700	**IETF Registration - Potsdam Foyer**			
0800-0900	**Beverage Break - Potsdam Foyer and Wintergarten**			
0900-1130	**Morning Session I**			
	Potsdam 3	INT	dnssdext	DNS-SD Extensions BOF
	Charlottenburg 2/3	IRTF	icnrg	Information-Centric Networking
	Charlottenburg 1	IRTF	nwcrg	Proposed Network Coding Research Group
	Bellevue	RAI	avtcore	Audio/Video Transport Core Maintenance WG
	Potsdam 1	RTG	mpls	Multiprotocol Label Switching WG
	Tiergarten 1/2	SEC	oauth	Web Authorization Protocol WG
	Potsdam 2	TSV	ippm	IP Performance Metrics WG
	Schoeneberg 1/2	TSV	nfsv4	Network File System Version 4 WG
1130-1300	**Break**			
1300-1500	**Afternoon Session I**			
	Potsdam 3	INT	lwig	Light-Weight Implementation Guidance WG
	Schoeneberg 1/2	INT	pcp	Port Control Protocol WG
	Tiergarten 1/2	IRTF	iccrg	Internet Congestion Control Research Group
	Bellevue	OPS	opsawg	Operations and Management Area Working Group WG - Combined with OPSAREA
	Charlottenburg 2/3	RAI	mmusic	Multiparty Multimedia Session Control WG
	Potsdam 1	RTG	ccamp	Common Control and Measurement Plane WG
	Charlottenburg 1	RTG	karp	Keying and Authentication for Routing Protocols WG
	Potsdam 2	SEC	httpauth	Hypertext Transfer Protocol Authentication WG
1500-1510	**Beverage Break - Potsdam Foyer and Wintergarten**			
1510-1610	**Afternoon Session II**			
	Potsdam 2	APP	httpbis	Hypertext Transfer Protocol Bis WG
	Bellevue	INT	sunset4	Sunsetting IPv4 WG
	Charlottenburg 1	OPS	netconf	Network Configuration WG
	Charlottenburg 2/3	RAI	clue	ControLling mUltiple streams for tElepresence WG
	Tiergarten 1/2	RTG	pce	Path Computation Element WG
	Potsdam 1	RTG	sidr	Secure Inter-Domain Routing WG
	Potsdam 3	SEC	dice	DTLS In Constrained Environments BOF
	Schoeneberg 1/2	TSV	ppsp	Peer to Peer Streaming Protocol WG
1620-1720	**Afternoon Session III**			
	Potsdam 2	APP	httpbis	Hypertext Transfer Protocol Bis WG
	Bellevue	INT	dhc	Dynamic Host Configuration WG - Joint Session with SUNSET4
	Bellevue	INT	sunset4	Sunsetting IPv4 WG - Joint Session with DHC
	Charlottenburg 1	OPS	netconf	Network Configuration WG
	Tiergarten 1/2	RTG	pce	Path Computation Element WG
	Schoeneberg 1/2	TSV	ppsp	Peer to Peer Streaming Protocol WG
1720-1740	**Beverage and Snack Break - Potsdam Foyer and Wintergarten**			
1740-2010	**IETF Operations and Administration Plenary - Potsdam 1/3**			

1. Welcome
2. Introducing the sponsors
3. Reporting
   - IETF Chair
   - IAOC Chair and IAD
   - IETF Trust Chair
   - 2012 NomCom Chair
   - 2013 NomCom Chair
4. Postel Award
5. Recognition
6. IAOC Open Mic
7. IESG Open Mic

Time	Session			
0800-1700	**IETF Registration - Potsdam Foyer**			
0800-0900	**Beverage Break - Potsdam Foyer and Wintergarten**			
0900-1020	**Morning Session I**			
	Potsdam 2	APP	json	JavaScript Object Notation WG
	Tiergarten 1/2	INT	dhc	Dynamic Host Configuration WG
	Charlottenburg 1	INT	dmm	Distributed Mobility Management WG
	Schoeneberg 1/2	IRTF	dtnrg	Delay-Tolerant Networking Research Group
	Bellevue	RAI	rtcweb	Real-Time Communication in WEB-browsers WG
	Potsdam 3	RTG	nvo3	Network Virtualization Overlays WG
	Potsdam 1	TSV	tsvarea	Transport Area Open Meeting
1030-1130	**Morning Session II**			
	Potsdam 2	APP	weirds	Web Extensible Internet Registration Data Service WG
	Tiergarten 1/2	INT	dhc	Dynamic Host Configuration WG
	Charlottenburg 1	INT	dmm	Distributed Mobility Management WG
	Schoeneberg 1/2	IRTF	dtnrg	Delay-Tolerant Networking Research Group
	Bellevue	RAI	rtcweb	Real-Time Communication in WEB-browsers WG
	Potsdam 3	RTG	nvo3	Network Virtualization Overlays WG
	Potsdam 1	TSV	tsvarea	Transport Area Open Meeting
1130-1300	**Break**			
1300-1500	**Afternoon Session I**			
	Bellevue	APP	core	Constrained RESTful Environments WG
	Potsdam 2	INT	mif	Multiple Interfaces WG
	Tiergarten 1/2	RAI	p2psip	Peer-to-Peer Session Initiation Protocol WG
	Potsdam 3	RTG	i2rs	Interface to the Routing System WG
	Charlottenburg 1	RTG	pim	Protocol Independent Multicast WG
	Potsdam 1	SEC	saag	Security Area Open Meeting
	Charlottenburg 2/3	TSV	rmcat	RTP Media Congestion Avoidance Techniques WG
1500-1520	**Beverage and Snack Break - Potsdam Foyer and Wintergarten**			
1520-1650	**Afternoon Session II**			
	Potsdam 2	INT	multimob	Multicast Mobility WG
	Bellevue	OPS	dnsop	Domain Name System Operations WG
	Charlottenburg 1	RAI	insipid	INtermediary-safe SIP session ID WG
	Potsdam 1	RTG	idr	Inter-Domain Routing WG
	Tiergarten 1/2	RTG	manet	Mobile Ad-hoc Networks WG
	Charlottenburg 2/3	RTG	ospf	Open Shortest Path First IGP WG
	Schoeneberg 1/2	SEC	kitten	Common Authentication Technology Next Generation WG
	Potsdam 3	TSV	tcmtf	Tunneling Compressed Multiplexed Traffic Flows BOF
1700-1830	**Afternoon Session III**			
	Schoeneberg 1/2	APP	scim	System for Cross-domain Identity Management WG
	Bellevue	INT	6lo	IPv6 over networks of resource-constrained nodes BOF
	Tiergarten 1/2	OPS	netmod	NETCONF Data Modeling Language WG
	Charlottenburg 1	RAI	stox	SIP-TO-XMPP WG
	Charlottenburg 2/3	RTG	isis	IS-IS for IP Internets WG
	Potsdam 3	RTG	pwe3	Pseudowire Emulation Edge to Edge WG
	Potsdam 1	SEC	dane	DNS-based Authentication of Named Entities WG
	Potsdam 2	TSV	cdni	Content Delivery Networks Interconnection WG
1900-2100	**Bits-N-Bites - Pavillion**			

0800-1100	**IETF Registration - Potsdam Foyer**		
0800-0900	**Beverage Break - Potsdam Foyer and Wintergarten**		
0900-1100	**Morning Session I**		

Bellevue	APP	httpbis	Hypertext Transfer Protocol Bis WG
Schoeneberg 1/2	APP	precis	Preparation and Comparison of Internationalized Strings WG
Potsdam 1	OPS	v6ops	IPv6 Operations WG
Potsdam 3	RTG	mpls	Multiprotocol Label Switching WG
Charlottenburg 1	SEC	tls	Transport Layer Security WG

1100-1120   **Beverage and Snack Break - Potsdam Foyer and Wintergarten**
1120-1220   **Afternoon Session I**

Charlottenburg 1	APP	urnbis	Uniform Resource Names, Revised WG
Potsdam 3	INT	intarea	Internet Area Working Group WG
Schoeneberg 1/2	OPS	dime	Diameter Maintenance and Extensions WG
Potsdam 1	RAI	rtcweb	Real-Time Communication in WEB-browsers WG
Potsdam 2	RTG	rtgwg	Routing Area Working Group WG
Charlottenburg 2/3	RTG	sidr	Secure Inter-Domain Routing WG
Tiergarten 1/2	SEC	sacm	Security Automation and Continuous Monitoring WG

1230-1330   **Afternoon Session II**

Potsdam 3	INT	intarea	Internet Area Working Group WG
Schoeneberg 1/2	OPS	dime	Diameter Maintenance and Extensions WG
Potsdam 1	RAI	rtcweb	Real-Time Communication in WEB-browsers WG
Potsdam 2	RTG	rtgwg	Routing Area Working Group WG
Charlottenburg 2/3	RTG	sidr	Secure Inter-Domain Routing WG
Tiergarten 1/2	SEC	sacm	Security Automation and Continuous Monitoring WG

Thank You to the Outgoing RSOC Members

RSOC
- Fred Baker
  2011-2013
- Ole Jacobson
  2011-2013
- John Klensin
  2011-2013
- Olaf Kolkman
  2011-2013

Welcome to the Incoming RSOC Members

RSOC
- Nevil Brownlee
- Tony Hansen
- Joe Hildebrandt
- Bob Hinden
- Alexey Melnikov
- Bernard Aboba
- Joel Halpern

Thank You to IETF 87 Sponsors

Platinum Sponsor

Gold Sponsors

Bronze Sponsors

Additional Sponsors

Bits-N-Bites

A Technology & Networking Social

Pavilion
August 1, 2013
1900-2100

Bits-N-Bites is focused on Internet standards, technology and related subjects. Nearly 1,200 engineers, computer scientists and academicians, who are in the forefront of developing standards for the continuing expansion and robustness of the Internet from more than 40 countries and leading corporations worldwide, will meet at IETF 87 in Berlin.

Exhibitors, product vendors, and service providers will be able to share information and showcase products and services to IETF community in a social setting with hors d'oeuvres and cocktails.

Sponsors

IETF 88 – Vancouver, BC, Canada
November 3-8, 2013

Host TBD

Interested in Hosting an IETF?

The IAOC makes decisions about IETF meeting location and venue based on a number of factors, including host preferences, the availability of sponsors, availability and pricing of venues, and more. If you have an idea for a meeting location, or are interested in sponsoring a meeting, please contact Drew Dvorshak at dvorshak@isoc.org.

Important Dates for IETF 88	
Week of 2013-08-05:	IETF Online Registration opens.
2013-08-05:	Working Group and BOF scheduling begins.
2013-09-09:	Cutoff date for requests to schedule Working Group meetings at 2400 UTC.
2013-09-23:	Cutoff date for BOF proposal requests to Area Directors at 2400 UTC.
2013-09-26:	Cutoff date for Area Directors to approve BOFs at 2400 UTC.
2013-10-03:	Preliminary agenda published for comment.
2013-10-07:	Cutoff date for requests to reschedule Working Group and BOF meetings 2400 UTC.
2013-10-07:	Working Group Chair approval for initial document (Version -00) submissions appreciated by 2400 UTC.
2013-10-11:	Final agenda to be published.
2013-10-21:	Internet Draft submission cut-off (for all drafts, including -00) by 2400 UTC.
2013-10-23:	Draft Working Group agendas due by 2400 UTC.
2013-10-25:	Early Bird registration and payment cut-off at 2400 UTC.
2013-10-28:	Revised Working Group agendas due by 2400 UTC.
2013-10-28:	Registration cancellation cut-off at 2400 UTC.
2013-11-01:	Final Pre-Registration and Pre-Payment cut-off at 1700 local meeting time.
2013-11-03 - 2013-11-08: 88th IETF Meeting in Vancouver, BC, Canada.	
2013-12-06:	Proceedings submission cutoff date by 2400 UTC.
2013-12-25:	Proceedings submission corrections cutoff date by 2400 UTC.