



TCB Council

Workshop & RF Exposure Training

October 23 – 26, 2023 * Baltimore and Online * www.tbcouncil.org

Activity Schedule

Monday, October 23	7:00 AM	Onsite Registration & Breakfast
	9:00 AM to 5:00 PM	RF Exposure Training Day One*
Tuesday, October 24	9:00 AM to 5:00 PM	RF Exposure Training Day Two*
Wednesday, October 25	7:00 AM	Onsite Registration & breakfast
	9:00 AM to 5:00 PM	Workshop Day One (FCC)
	6:00 PM to 9:00 PM	TCBC Social – Pratt Street Ale House
Thursday, October 26	8:00 AM	TCB Council Membership Meeting
	9:00 AM to 5:00 PM	Workshop Day Two

*RF Exposure Training

A special two-day training will update the TCB Council community on RF Exposure phenomena, measurements, guidance, KDBs, rules and regulations for FCC, ISED and RED. Registrants will learn the latest technologies, techniques and regulatory expectations.

Additional Information

All activities are In-Person and Online (except for the Wednesday social event). Agenda is observed in Eastern Standard time (EST).

Workshop Registration is available at www.tbcouncil.org/. Login to register.



Workshop Materials

Workshop materials will be provided on the new TCB Council LMS. All registrants (both online and in-person) will receive a link to the classroom 24 hours in advance of the first session. Participants will have access to classroom materials and videos for up to 10 days.

Social – Pratt Street Ale House

Be our guest at the evening Social event, walking distance from the Workshop.



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RF EXPOSURE TRAINING WORKING AGENDA MONDAY, OCTOBER 23, 2023 DAY ONE

start	end	Presentation	Presenter
9:00	9:10 AM	Welcome & Workshop Logistics	Chris Harvey
9:10 AM	9:35 AM	Intro RF Exposure (RFx) and Evolution	Q Balzano
9:35 AM	12:00 PM	FCC, ISED and RED RF Exposure Rules (RFx) and KDBs	
	10:35 AM	RFx FCC and ISED	Mark Briggs
	10:45 AM	BREAK	
	11:25 AM	RFx in RED	Michael Derby
	12:00 PM	Global RFx Requirements	Nate Grinager Claudia Cordon Wilson Silva
12:00 PM	1:00 PM	BREAK - Lunch	
1:00 PM	3:00 PM	Types of RFx in Regulatory Approvals	
		Mobile vs Portable	Kaitlin O'Keefe
		SAR and MPE	Kaitlin O'Keefe
		SAR Measurements	Kaitlin O'Keefe
		BREAK	
		APD/IPD/Magnetic Field/Nerve Stimulation	Kaitlin O'Keefe
		SAR Simulations	Kaitlin O'Keefe
	3:00 PM	Role of Simulations in approvals	Kaitlin O'Keefe
3:00 PM	3:20 PM	BREAK - Snack	
3:20 PM	3:45 AM	IEC 62209-3 Vector Measurement Based Systems	Richelieu Quoi
3:45 PM	4:15 PM	Module Integration into Portable Hosts	Robert Paxman Michael Derby
4:15 PM	4:45 PM	RFx and Product design - TAS/Sensors/Power Reduction	Steve Liu
4:45 PM	5:00 PM	Day One- Wrap up and Q&A	Presenter Panel



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RF EXPOSURE TRAINING WORKING AGENDA TUESDAY, OCTOBER 24, 2023 DAY TWO

Tuesday October 24, 2023			
start	end	Presentation	Presenter
9:00 AM	9:05 AM	Convening and Logistics	Chris Harvey
9:05 AM	10::00 AM	Video Demonstration of RF Exposure Measurements	Steve Liu
10:00 AM	10:20 AM	BREAK - Coffee	
10:20 AM		The Manufacturer/ Lab/TCB Game Planning	Steve Liu
		KDB Inquiries - The Do's and Don'ts	Steve Liu
	12:00 PM	Don't fear the PAG (what is PAG, and how to prepare)	Steve Liu
12:00 PM	1:00 PM	LUNCH	
1:00 PM		SAR Review of FCC Documents	Kaitlin O'Keefe
		SAR Review Test Reports	Bich Nguyen
	2:45 PM	SAR Review processes, tune-up, power mismatch management, organization and upload	Bich Nguyen
2:45 PM	3:00 PM	BREAK - Snack	
3:00 PM	3:30 PM	After the FCC Grant - Surveillance and SAR	Jennifer Sanchez
3:30 PM	4:00 PM	Future of Equipment for RFx APD Assessments	Niels Kuster
4:00 PM	5:00 PM	Day Two -Panel Session with Industry Discussion	Robert Paxman



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TCB COUNCILWORKSHOP WEDNESDAY OCTOBER 25, 2023 DAY ONE

(FCC Topics, details, order and presenters are subject to change)

Time	Topic	Presenters
9:00 -	1.1 Introduction	Muli Kifle
	1.2 Publication Update & Administrative Notes	Jim Szeliga
	HQ	
	2.1 Part 15 and Spectrum	Bahman Badipour Aole Wilkinsel
(30 Minutes)	BREAK	
	EMC & Related Topics	OET Lab
	3.1 Part 15.255 Rules Amendment	Steve Jones
	3.2 KDB 996369 D01 - Modules	Jim Szeliga
	3.3 KDB 996369 D03 - Integration Instructions	Jihad Hermes
(1 Hour)	BREAK	
	3.4 EMC Updates	Dusmantha Tennakoon
	3.5 KDB 987594 D05 - AFC DUT Harness Testing	Corey Cahill
	3.6 HAC Update	Justin Rison
	RF Exposure	OET Lab
	4.1 KDB 447498 - RF Exposure Guidance	Tim Harrington Alfonso Tarditi
	4.2 RF Exposure Procedures	Jake Novicky
	4.3 KDB 680106 - Wireless Power Transfer	Alfonso Tarditi
(30 Minutes)	BREAK	
	FCC Reviews	OET Lab
	5.1 Review of TCB PAG Submissions	Len Knight
	5.2 MPAG Processing	Alfonso Tarditi
	5.3 TCB Market Surveillance	Dusmantha Tennakoon
	Conclusion	OET Lab



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TCB COUNCIL WORKSHOP THURSDAY, OCTOBER 26, 2023 DAY TWO

Time		Session Topic	Presenters
9:00 AM	9:15 AM	Welcome & Workshop Logistics	Chris Harvey TCB Council Executive Director
9:15 AM	10:15 AM	NIST – MRA Updates	Ramona Saar and Nathalie Rioux National Institute of Science and Technology (NIST)
10:15 AM	10:30 AM	BREAK	
10:30 AM	12:00 PM	ISED Canada – CEB Updates	Nicolas Desmarais (in-person) and Jason Nixon (remote) ISED Canada, Certification and Engineering Bureau
12:00 PM	1:00 PM	BREAK	
1:00 PM	2:00 PM	ISED Canada Standards – DRS Updates	Stephan Meyer (in-person) and Yan Losier (remote) ISED Canada, Directorate of Regulatory Standards
2:00 PM	2:30 PM	Europe Report – RED and UK-RER	Michael Derby Element Materials Technology
2:30 PM	2:45 PM	BREAK	
2:45 PM	4:15 PM	KDB Sharing Session	Greg Czumak ACB Inc
4:15 PM	4:25 PM	MIC Japan Updates	Akiko Sugino Ministry of Internal Affairs and Communications Japan

Login to register. Register for one or both the RF Exposure Training and the TCB Council Workshop. Space is limited in the Hotel. Reserve your room ASAP.

