
BULLETIN 2003-009-EL

APRIL 19, 2007
Rev April 7, 2009

REQUIREMENTS FOR VERIFICATION OF FIRE ALARM SYSTEMS IN THE CITY OF VANCOUVER

Article 3.2.4.5. of the Vancouver Building By-law requires that installation of fire alarm systems in buildings must conform to ULC Standard S-524. This article also states that upon completion of the installation, each fire alarm system must be verified to ensure its satisfactory performance. This procedure must be done in conformance with ULC Standard S-537.

- 3.2.4.5.(1) Fire alarm and voice communication systems shall be installed in conformance with CAN/ULC-S524-M "Standard for the Installation of Fire Alarm Systems".
- (2) Fire alarm systems shall be tested in conformance with CAN/ULC-S537-M. "Standard for the Verification of Fire Alarm Systems", to ensure satisfactory operation.

ULC-S537 provides requirements for a verification procedure and for a verification report. The preface of this Standard indicates that the verification procedure described therein must be conducted by an organization other than the installing contractor and that the verification must be carried out by qualified personnel in the employ of an organization acceptable to the authority having jurisdiction. Clause 3.1.1 of this standard states that the conformance of the fire alarm system components with installation requirements of ULC S-524 must be included in the verification procedure.

These requirements of the CAN/ULC S-537 mean that qualified persons involved in a verification procedure must have sufficient technical knowledge of fire alarm system components, their function and performance, and must have necessary electrical qualification for evaluating conformance of these devices with installation provisions mandated by the ULC S-524 and Section 32 of the Canadian Electrical Code, Part 1.

The following acceptance criteria have been established by the City of Vancouver for organizations involved in verification of fire alarm systems:

1. A qualified person(s) employed by a ULC listed manufacturer of a FAS (i.e. qualified persons employed by Simplex, Edwards, Honeywell, Mircom, Notifier, etc.). Presently (in accordance with section 4(1)(e) of the BC Electrical Safety Regulation) employees of an electrical equipment manufacturer are deemed to be "qualified" for the purpose of doing electrical work of "commissioning" of the equipment supplied by that manufacturer.

Notes:

- a) Acceptance of technicians employed by these manufacturers is based on the fact that these technicians have respective factory training and relevant electrical qualifications.
 - b) Manufacturers must provide the City Electrician with detailed substantiation in this regard.
2. A Professional Electrical or Fire Protection Engineer (P.Eng) registered with the APEGBC.

3. A Certified Technologist (ASc.T) registered with the ASTT BC in the Electrical Technology area who in addition has successfully completed a full set of the CFAA courses for verification of fire alarm systems.
4. A qualified person employed by a fire alarm service company, provided this person possesses sufficient documentation indicating a successful completion of relevant factory training on fire alarm equipment and possesses a provincial certificate of qualification to do electrical work on alarm systems.

Note: The following criteria is provided by the BCSA

"The current Electrical Safety Regulation permits the following qualified persons, that are the holder of a valid Certificate of Qualification (C of Q), perform electrical work on fire alarm systems;

- *C of Q in the trade of Electrician,*
- *C of Q Restricted Class 'C' or*
- *C of Q Restricted class Alarm & Communication class 'AC'".*

Definitions:

1. A qualified person is deemed to be a person in the employ of the verification organization (proof of qualification-training courses and relevant fire alarm and electrical certificates, etc., is required).
2. A Professional Engineer is deemed to be Electrical or Fire Protection Engineer registered with the Association of Professional Engineers and Geoscientists of the Province of British Columbia (APEGBC), who is not involved in the installation of the fire alarm system subjected to this engineer's verification.

Notes:

- a) All verification reports are permitted to be signed only by qualified persons employed by verification organizations accepted by the City of Vancouver for this purpose, as per list of acceptable verification organizations. (Attached is the latest list of Acceptable Verification Organizations and Qualified Personnel. This attachment will be periodically updated to reflect new additions or modifications to the list.
- b) Fire Alarm System Verification Report Form (Appendix C form of ULC S537) has been amended for use in the City of Vancouver. This form is shown on Attachment 1 to Bulletin 2000-021-EL.
- c) When a F.A.S. is connected to an acceptable central station (see Bulletin 2000-019-EL), a ULC Certificate "Central Station Fire Protective Signalling Service" must be completed as a part of the verification report. A sample of the Certificate is shown on Attachment 2 to Bulletin 2000-021-EL.

A. Z. Tsisserev, P.Eng.
CHIEF ELECTRICAL INSPECTOR & CITY ELECTRICIAN

Attachment

List of Acceptable Organizations/Qualified Persons
(Attachment to Bulletin 2003-009-EL)

(Revised March 9, 2011)

NAME OF VERIFICATION ORGANIZATION	ADDRESS OF VERIFICATION ORGANIZATION	PHONE # AND FAX #	QUALIFIED PERSONNEL (NAMES OF PERSONS ACCEPTABLE TO SIGN APPENDIX A FORM OF ULC S537)	TYPE OF VERIFICATION ORGANIZATION	NOTES
Acme Fire & Safety Co. Ltd.	7015 Curragh Avenue Burnaby, BC V5J 4V6	604-437-8555 604-437-1301	Michael Tonolli, Kam Karan, George Lance, Boris Zaytsev	Service Company	
Active Fire and Safety Services LTD	12110 - 86 th Avenue Surrey, BC V3W 3H7	604-590-0149 604-590-0991	Sanford Erickson, Jit Sangha, Johnny Jenkins	Service Company	Verification of FireLite FAS & Potter FAS except PFC-4410-RC
ADT Canada Inc.	8500 Baxter Place Burnaby, BC V5A 4T8	604-421-7111 604-421-7131	Greg Wagner, P.Eng. , Walter Siemens, Paul Szigety	Manufacturer	
A-1 Fire Supplies Ltd.	#12 - 825 McBride Blvd New West, BC V3L 5B5	604-526-8423 604-526-8423	Leslie Moerike	Service Company	
Anubis Systems Technologies Security for Life	#210 - 151, 10090 - 152nd Surrey, BC V3R 8X8	778-863-7147 604-552-7909	Frank Kurz	Service Company	
Bartec Fire Safety Systems Ltd.	#201 - 6200 Darnley Street Burnaby, BC V5B 3B1	604-420-2964 604-420-7964	Rob Barrett, Kevin Dees, Calvin Delaronde	Service Company	
Bri-Tek Fire Protection Services Inc.	1526 West 63rd Avenue Vancouver, V6P 2H6	604-266-1051 604-266-1406	Brian Ellis	Service Company	
Chubb Edwards	7989 Enterprise Street Burnaby. BC V5A 1V5	604-420-4436 604-420-6544	Eduardo Abreo, Steve Battistel, Ron Belhomme, Andrew Bellefeuille, Randy Burke, John Cockburn, Tim Coffey, Bill Costa, Tom Dehn, Tom Delcourt, Jennifer Drysdale, Alejandro Ello, Les Filpula, Troy Forshaw, Paul Greenwell, Chaz Guerra, Mike Harte, Rick Hlady, Chris Horne, Anthony Inocencio, Jas Johal, Matthew Kowalenko, Scott Krishan, Yok Kai Lee, Alex Maillet, Satwinder Manku, Patrick Oboril, Luis Oeffner, Igor Olendzskiy, Rick Ozarowski, Todd Powell, Jackie Tang, Wayne Sew, Tony So	Manufacturer	Verification of Edwards F.A.S. only
City Fire Prevention Services Ltd.	#121 - 13045 84th Avenue Surrey, BC V3W 1B3	604-760-8760 604-591-2489	Rick Puri	Service Company	
The Cohos Evamy Partners	200 - 902nd 11th Avenue SW Calgary, AB T2R 0E7	403-245-5501 403-229-0504	Chris Buettner, P.Eng. Ed Pon, P.Eng.	Professional Engineer	

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Contec Fire and Safety Ltd.	4247 Winnifred Street Burnaby, BC V5J 2S5	604-451-7600 604-451-7670	Costa Vlachias	Service Company	
Convergint Technologies	#101, 2677 - 192 nd Street Surrey, BC V3S 3X1	604-536-8979 604-536-8809	Rob Davidson, Larry Pulfer	Service Company	Verification of Honeywell F.A.S. only
R.A. Duff & Associates Inc.	#215 - 3993 Henning Drive Burnaby, BC V5C 6P7	604-263-7232 604-263-9141	Doug Redmond, P.Eng.	Professional Engineer	Verification of F.A.S. for Vancouver School Board only
Electric Power Equipment (1986) Ltd.	1285 Homer Street Vancouver, BC V6B 2Z2	604-682-4221 604-683-5903	Van Vierson	Manufacturer	Verification of EPE F.A.S. only
Executive Fire and Safety Ltd.	#223 - 12448 82nd Avenue Surrey, BC V3W 3E9	604-590-2229 604-590-2792	Roy Hermanus	Service Company	
Fairlane Fire Prevention Ltd.	4877 East Hastings Street Burnaby, BC V5C 2L1	604-873-7568 604-871-6394	Larry Brisbois	Service Company	
Fire Code Plus Engineering Inc.	#17 - 62 Fawcett Road Coquitlam, BC V3K 6V5	604-523-1230 604-523-1236	Mike Comeau, P.Eng.	Professional Engineer	
Fire-Pro Fire Protection Ltd.	#15 - 3871 North Fraser Way Burnaby, BC V5J 5G6	604-299-1030 604-299-6353	Donald Davis, Robert Vos	Service Company Authorized by the Manufacturer	Verification of Notifier F.A.S. only
Fraser Valley Fire Protection Ltd.	#9 - 2345 Windsor Street Abbotsford, BC V2T 6M1	604-850-1943 604-850-7335	Harold Loland, Andy Raby, Lloyd Delves, Reuben Loland	Service Company	
Honeywell Limited	#300 - 3490 Gardner Court Burnaby, BC V5G 3K4	604-654-5699 604-654-5696	Ron Brewer, Dave Danielson	Manufacturer	Verification of Honeywell F.A.S. only
Houle Electric Limited	3735 Myrtle Street Burnaby, BC V5C 4E7	604-434-2681 604-434-0480	R.R. Lashin, P.Eng.	Service Company	
Lee Security Systems Ltd.	815 West 48 th Avenue Vancouver, BC V5Z 2S2	604-266-2811 604-263-7183	James Lee	Service Company	

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Mircom Distribution (BC)	#313 - 2071 Kingsway Ave Port Coquitlam, BC V3C 6N2	604-941-6314 604-941-4598	Sean Imrie, David Clark, Martin Rooney, Ahmad Abu-Laila, Sukh Darshan Singh, Mikey Sidhu, Chris Nenciu, Dan Hucal, Darwin Just, Tyler Axton, Joe Robinsmith, Mickey Puri	Manufacturer	Verification of Mircom F.A.S. only
Novota Engineering (Fire Protection Engineering)	23351 117-B Avenue Maple Ridge, BC V2X 0B9	604-767-8709 604-476-0140	Juraj Novota	Professional Engineer	
Pacific Coast Fire Equipment Ltd.	#101 - 137 Glacier Street Coquitlam, BC V3K 5Z1	604-273-6747 604-468-6360	Gord Miller Mark Newlove	Service Company, Authorized by Manufacturer	Verification of Firelite F.A.S. only
Pacific Northwest Fire Protection Inc.	16837 - 18 Avenue Surrey, BC V3S 9X3	604-250-3395 604-538-4876	Albert Lozada	Service Company	
PriCEng	2414 Tree Top Lane N. Vancouver, BC V7H 2K5	604-929-7566 604-929-6826	I.W. Price, P.Eng.	Professional Engineer	
Royal City Fire Supplies Ltd.	633 - 12th Street New Westminster, BC V3M 4J5	604-522-4240 604-522-0681	Mark Zaremski, Mark Walker	Service Company	
Siemens Building Technologies, Ltd.	#150 - 4011 Viking Way Richmond, BC V6V 2K9	604-273-7733 604-273-1373	Gerry Brady, Pardis Rezaei, James Goss, Ennio Reschigna, James Liu, Hong Qing Liang Rafael Ferrer, Fazal Najmuddin	Manufacturer	Verification of Siemens F.A.S. only
SimplexGrinnell	1485 Lindsey Place Delta, BC V3M 6V1	604-515-8872 604-241-9554	Paul Anderson, Josh Paterson, Edmund Chong, Marty Lawless, Nuno Gordo, Mark Vaesen, Kevin Gray, Don Gilchrist, Peter Khomelef, Steve Gordon, Marek Hruswciki, Jason Janz, Gheorghe Anghel, Sami Samir, William Sigsworth, Randy Garland, Steve Craig, Marc Mulatz, Mike Marganelli, Julius Vasquez, Daniel Chiu	Manufacturer	Verification of Simplex F.A.S. only

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Sokulski Engineering Ltd.	#6 - 1742 Marine Drive W. Vancouver, BC V7V 1J3	604-925-3222 604-925-8833	Joe Sokulski	Professional Engineer	
Sun Valley Engineering Inc.	#17, 62 Fawcett Road Coquitlam, BC V3K 6V5	604-357-3376 604-357-3792	Mike Comeau, P.Eng.	Professional Engineer	
Surrey Fire & Safety Ltd.	19947 56 th Avenue Langley, BC V3A 3Y2	604-533-2876	Werner Hammer	Service Company	
Systematic Fire Control Ltd.	1250 Frances Street Vancouver, BC V6A 1Z5	604-251-3545 604-251-3549	Russell Strimbicki	Service Company	
Troy Sprinkler Ltd	4003 Graveley St Burnaby, BC V5C 3T5	604-299-6365 604-299-6367	Andrzej Jaroma	Service Company	
Vancouver Fire & Security	22131 Fraserwood Way Richmond, BC V6W 1J5	604-232-3473 604-232-3456	Robert Baxter, P.Eng., Daniel Baxter, P.Eng.	Professional Engineer	
Notifier/Viking Fire Protection	8290 Ross Street Vancouver, BC V5X 4C6	604-324-7122 604-324-8260	Alex Hoffman, P.Eng., Chris Caddell, Mike Argent, Terry McLeod, Schon Johnston, Fred Ogaloff, Kevin Kerr, Tim Renaud	Service Company Authorized by the Manufacturer	Verification of Notifier F.A.S. only
White Eagle Fire Prevention	3226 Crome Crescent Port Coquitlam, BC V3E 1M5	604-941-5565 604-941-7267	Tad Bukala	Service Company Authorized by the Manufacturer	Verification of Mircom F.A.S. only

W.M. Johnston, P.Eng.
DIRECTOR OF LICENCES & INSPECTIONS AND
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