A LANGE CONTRACTOR

FIRE SERVICES DEPARTMENT LICENSING AND CERTIFICATION COMMAND

> 5/F, Fire Services Headquarters Building No. 1 Hong Chong Road, Tsim Sha Tsui East Kowloon, Hong Kong

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消防處

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10 February 2020

To: Recipients of FSD Circular Letters

Dear Sir/Madam,

FSD Circular Letter No. 1/2020 Revised Application Procedure for Inspection and Testing of <u>Fire Service Installations and Equipment in New Building</u>

This letter serves to announce the revised application procedure for inspection and testing of fire service installations and equipment (FSI) by FSI/501 submission which will come into effect on 1 May 2020.

Currently, application for inspection and testing of FSI in new building¹ should be submitted by authorized person (AP) who together with the registered fire service installation contractor (RFSIC) concerned are required to sign on the same application form FSI/501 to certify that the FSI listed therein have been installed and tested, and are in efficient working order pursuant to the Codes of Practice for Minimum Fire Service Installations and Equipment and Inspection, Testing and Maintenance of Installations and Equipment (Code). To facilitate the application process, as well as to specify clearly the respective areas of professional responsibility of AP, registered professional engineer (RPE) and RFSIC engaged in the process, the Fire Services Department (FSD) has revised the application procedure and divided the extant application form into FSI/501 (Rev.2020) and FSI/501a. The revised application procedure together with the new forms will be put into general use with effect from 1 May 2020.

¹ According to the Buildings Ordinance (Cap. 123), new building means any building hereafter erected and also any existing building of which not less than one half measured by volume is rebuilt or which is altered to such an extent as to necessitate the reconstruction of not less than one half of the superficial area of the main walls.

Responsibilities of RFSIC

Under the new arrangement, whenever RFSICs install any FSI in new building, they shall certify that the FSI listed therein have been installed and tested, and are in efficient working order in accordance with the Code by signing FSI/501a. The signed FSI/501a is a certificate under Regulation 9 of the Fire Service (Installations and Equipment) Regulations (Cap. 95B) which shall be issued by the RFSIC within 14 days after completion of the work to the person on whose instructions the work was undertaken with a copy thereof forwarded to the Director of Fire Services.

The new arrangement also applies for fixed automatically operated approved appliance and portable hand-operated approved appliance (portable equipment) such as fixed sprayer unit, fire extinguisher, sand bucket and fire blanket, for which the equipment should be certified by Class 3 RFSIC via separate FSI/501a. Certificate of Fire Service Installations and Equipment (F.S.251) is no longer required in new building. Nonetheless, the statutory requirements by virtue of Cap. 95B and the Code on the installation, maintenance, inspection and repair of FSI (e.g. provision of maintenance label on portable extinguishers) shall still be adhered to.

Responsibilities of AP and RPE

All applications for inspection and testing of FSI in new building should be tendered by an AP. APs before submitting applications, are required to ensure that all FSI to be inspected and tested are adequately covered by FSI/501a. For FSI in new building involving staircase pressurisation system, dynamic smoke extraction system, water mist system or other FSI fall under RPE's purview, RPEs are required to certify at Part A of FSI/501 (Rev.2020) that the FSI to be inspected and tested are operating in accordance with approved design and in full compliance with the FSD requirements.

APs should certify at Part B of FSI/501 (Rev.2020) that the FSI listed in the FSI/501 (Rev.2020) and all of the attached FSI/501a have been installed in accordance with approved building plans and are ready for inspection. The completed FSI/501 (Rev.2020) should be submitted together with, inter alia, duly signed FSI/501a provided by RFSICs.

Smooth Process of FSI Acceptance Inspection

As you are aware that the smooth process of FSI acceptance inspections largely hinges on site readiness, standard of works and availability of supporting documents. In a bid to ensure all applications could be processed efficiently without unnecessary delay to the statutory inspections, it is imperative that APs, RPEs and RFSICs should coordinate efforts to ensure the site and system readiness, prepare all necessary and valid documentation for verification, complete comprehensive testing and commissioning of FSI and if necessary, arrange rectification of defects soonest possible.

Annual Inspection of FSI

Last but not least, FSI owners should be reminded that all FSI (except portable equipment) shall be inspected by an RFSIC at least once in every 12 months after the date of issuance of the Fire Services Certificate (F.S.172) or acceptance letter/memo irrespective of the actual date of obtaining occupation permit. For portable equipment, they should be inspected by an RFSIC at least once in every 12 months after the date of submitting FSI/501a from Class 3 RFSIC.

The FSI/501 (Rev.2020), FSI/501a and "Specimen of Completed Form" are attached for retention. You may also wish to download the FSI/501 (Rev.2020) and FSI/501a from the FSD's webpage.

URL: https://www.hkfsd.gov.hk/eng/enquiry/download/download_fsie/index.html

For enquiries, please contact Engineer (Fire Service Installations) at 3961 5266 during office hours.

Yours faithfully,

(LEUNG Kwun-hong) for Director of Fire Services

Encl.

Section 21(6)(d) of the Buildings Ordinance (Cap. 123) Application for Inspection and Testing of Fire Service Installations and Equipment

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FP Ref. No. *8/43/			*19/20/43/			
	Types of Fire Service Installations and Equipment:					
	Audio/Visual Advisory System		Fire Blanket		Sand Bucket	
	Automatic Actuating Device		Fire Control Centre		Sprinkler System	
	Automatic Fixed Installation other than Water		Fire Detection System		Static Smoke Extraction System	
	Deluge System		Fire Hydrant/Hose Reel System*		Street Fire Hydrant System	
	Drencher System		Fixed Automatically Operated Approved Appliance		Supply Tank	
	Dust Detection System		Fixed Foam System		Ventilation/Air Conditioning Control System	
	Dynamic Smoke Extraction System		Gas Detection System		Water Mist System	
	Emergency Generator		Gas Extraction System		Water Spray System	
	Emergency Lighting		Portable Fire Extinguisher		Water Supply	
	Exit Sign		Pressurization of Staircase		Others	
	Fire Alarm System		Ring Main System with Fixed Pump(s)			
☑ F	lease tick the appropriate box(es).					
			Address of Premises			

Part A : (to be completed by Registe	red Professional Engineer (i	(if applicable))		
I hereby certify that the *staircase p	ressurization system(s)/dyna	namic smoke extraction system(s)/water r	mist	
system(s)/other system(s) (please	specify)	listed above and in the attack	hed	
FSI/501a, which was/were approved	by the Fire Services Departm	tment (FSD) on(F	SD	
Ref. No), has/have been installed	d and tested in accordance with the FS	SD's	
equirements. I am satisfied that the above systems are operating in accordance with the approved design				
and the requirements of the FSD.				
Full Name:		Discipline:		

Signature of Registered Professional Engineer:

Part B : (to be completed by Authorized Person)

I hereby certify that:

- 1. the fire service installation(s)/equipment listed above and in the attached FSI/501a has/have been installed in accordance with the approved building plans stamped by the FSD on_____and is/are ready for inspection;
- 2. Fire Service Completion Advice in respect of fire service installation(s)/equipment requiring government water main connection has been *applied for/issued by the Water Supplies Department (copy *attached/not attached);

Registered Professional Engineer Number: _____ Date: _____ Date: _____

FP Ref. No. *8/43/_____

*19/20/43/_____

- 3. the building owners have undertaken to provide 24-hour attendant service with normal telephone provision pending the connection of (a) direct telephone link(s) to the fire service installation(s)/equipment. The *undertaking letter/memo from the building owners is attached herewith; and
- 4. the building gross floor area of the above premises as defined under the Buildings Ordinance is ______m² and the type of building is *domestic/non-domestic.

I request that a *Certificate F.S.172 required under section 21(6)(d) of the Buildings Ordinance (Cap. 123)/an acceptance memo/an acceptance letter be issued to me.

Company Name:	Telephone No.:
Full Name of Authorized Person:	
Signature of Authorized Person:	Date:
RFSIC Ref. No(s). of FSI/501a attached to this application form:	
Additional information, if any:	
I hereby declare that to the best of my knowledge and belief, the	
and complete. I understand that if I wilfully give any false in	
withhold any material information in this application form, the case	may be referred to appropriate professional
registration bodies/disciplinary boards for necessary action.	
Signature of Registered Professional Engineer	Signature of Authorized Person
(if applicable)	

(RFSIC Reg No.) (Submission Date) (

(yyyymmdd)

<u>Certificate of Completion of Installation of</u> <u>Fire Service Installations and Equipment in New Buildings</u>

FP Ref. No. *8/43/			*19/20/43/				
	Types of Fire Service Installations and Equipment:						
	Audio/Visual Advisory System		Fire Blanket		Sand Bucket		
	Automatic Actuating Device		Fire Control Centre		Sprinkler System		
	Automatic Fixed Installation other than Water		Fire Detection System		Static Smoke Extraction System		
	Deluge System		Fire Hydrant/Hose Reel System*		Street Fire Hydrant System		
	Drencher System		Fixed Automatically Operated Approved Appliance		Supply Tank		
	Dust Detection System		Fixed Foam System		Ventilation/Air Conditioning Control System		
	Dynamic Smoke Extraction System		Gas Detection System		Water Mist System		
	Emergency Generator		Gas Extraction System		Water Spray System		
	Emergency Lighting		Portable Fire Extinguisher		Water Supply		
	Exit Sign		Pressurization of Staircase		Others		
	Fire Alarm System		Ring Main System with Fixed				
			Pump(s)				

Please tick the appropriate box(es).

The above fire service installation(s)/equipment has/have been installed at (address of premises)

and the installation work was comple	ted on	I hereby certify that such fire service	ce
installation(s)/equipment, which was/w	vere installed according to the	FSI plans submitted under the cover c	of
FSI/314 dated	_ and/or building plans approve	ed by FSD on	_,
has/have been tested and, to the best	of my knowledge, is/are in eff	icient working order in accordance wit	th
the Codes of Practice for Minimum F	ire Service Installations and E	equipment and Inspection, Testing and	۱d
Maintenance of Installations and Equip	ment published from time to tin	ne by the Director of Fire Services.	

Original/certified true copies of the following documents are attached as follows:

Completed testing and commissioning checklist(s)

*Listing certificate(s)/record(s)/document(s)/printout(s) from product certification bodies

*FSD approval/acceptance letter(s)

*Test certificate(s)/data sheet(s)/catalogue(s)/calculation(s)

Others (please specify, e.g. Fire Safety Management Plan, Fire Engineering Report):

Please tick the appropriate box(es).

Remarks: Relevant test report(s) for dynamic smoke extraction system/ staircase pressurization system endorsed by the Registered Professional Engineer, if applicable, should be attached.

This certificate shall be issued by RFSIC to the person on whose instructions the installation work was undertaken and a copy thereof shall be forwarded to the Director of Fire Services within 14 days after completion of the work.

* Please delete as appropriate. FSI/501a

*19/20/43/

I understand that this Certificate is issued under Regulation 9 of the Fire Service (Installations and Equipment) Regulations. Any registered fire service installation contractor (RFSIC) commits an offence and is liable on conviction to a fine at level 5 pursuant to Regulations 9(2A) and 9(3) of the same Regulations, if it issues or forwards a certificate thereunder, or a copy thereof, which is false or misleading in a material particular.

(For Class 1 & 2 RFSIC): Registration No.: RFSIC Name:		(For Class 3 RFSIC): Registration No.: RFSIC Name:	
Full Name of Authorized Sig	gnatory:		
Authorized Signature:	Company Chop:	Signature:	
Office address:		•	
Telephone No.:		Date:	

Remarks: Fixed automatically operated approved appliance and portable hand-operated approved appliance should be certified by Class 3 RFSIC via separate FSI/501a

This certificate shall be issued by RFSIC to the person on whose instructions the installation work was undertaken and a copy thereof shall be forwarded to the Director of Fire Services within 14 days after completion of the work.

FSI/501

Section 21(6)(d) of the Buildings Ordinance (Cap. 123) Application for Inspection and Testing of Fire Service Installations and Equipment

FD	FP Ref. No. *8/43/1234<56> *19/20/43/54321						
11	FP Ref. No. *8/43/ <u>1234<56></u> ** <u>19/20/43/54321</u>						
	Types of	Fire	Service Installations and Ec	luipm	ent:		
	Audio/Visual Advisory System		Fire Blanket		Sand Bucket		
	Automatic Actuating Device		Fire Control Centre		Sprinkler System		
	Automatic Fixed Installation other than Water		Fire Detection System		Static Smoke Extraction System		
	Deluge System	Ø	Fire Hydrant/Hose Reel System*	۴ 🗖	Street Fire Hydrant System		
	Drencher System	M	Fixed Automatically Operated Approved Appliance		Supply Tank		
	Dust Detection System		Fixed Foam System		Ventilation/Air Conditioning Control System		
	Dynamic Smoke Extraction System		Gas Detection System		Water Mist System		
V	Emergency Generator		Gas Extraction System		Water Spray System		
	Emergency Lighting	☑	Portable Fire Extinguisher	Ø	Water Supply		
	Exit Sign		Pressurization of Staircase		Others		
✓ ✓ F							
		(Address of Premises				
<u>AB</u>	C Temporary Maternal and Child H	leal	th Centre, No. 1 ABC Road, K	owloor	<u>1</u>		
			\checkmark				
Par	t A : (to be completed by Register	ed P	rofessional Engineer (if applic	able))	/		
	ereby certify that the *starcase pre	and the second sec			extraction system(s)/water mist		
	tem(s)/other system(s) (please s				d above and in the attached		
	/501a, which was/were approved b						
Ref	. No)	, ha	s/have been installed and te	sted i	n accordance with the FSD's		
	uirements, I am satisfied that the	abo	ve systems are operating in a	ccorda	ance with the approved design		
	and the requirements of the FSD.						
4	Name:						
Reg	gistered Professional Engineer Nu	mbe	r: Date:				
Sig	nature of Registered Professional	Eng	ineer:				

Part B : (to be completed by Authorized Person)

I hereby certify that:

- the fire service installation(s)/equipment listed above and in the attached FSI/501a has/have been installed in accordance with the approved building plans stamped by the FSD on <u>19/08/2019</u> and is/are ready for inspection;
- Fire Service Completion Advice in respect of fire service installation(s)/equipment requiring government water main connection has been *applied for/issued by the Water Supplies Department (copy *attached/not attached);

* Please delete as appropriate. FSI/501 (Rev. 2020)

FP Ref. No. *8/43/<u>1234<56></u>

*19/20/43/54321

- the building owners have undertaken to provide 24-hour attendant service with normal telephone provision pending the connection of (a) direct telephone link(s) to the fire service installation(s)/equipment. The *undertaking letter/memo from the building owners is attached herewith; and
- the building gross floor area of the above premises as defined under the Buildings Ordinance is <u>1859</u> m² and the type of building is <u>*domestic/non-domestic</u>.

I request that a *Certificate F.S.172 required under section 21(6)(d) of the Buildings Ordinance (Cap. 123)/an acceptance memo/an acceptance letter be issued to me.

Company Name: ABC Ltd. – EEF Ltd. Joint Venture	Telephone No.: 2733 7619
Full Name of Authorized Person: CHAN Tai-man	
Signature of Authorized Person: X	Date 05/05/2020,
RFSIC Ref. No(s). of FSI/501a attached to this application form:	
(i) RC2/2733 – 20200501 – 01	
(ii) RC3/7619 – 20200501 – 01	
Additional information, if any:	
(i) One set of approved GBP stamped by FSD on 19.08.2019; a	and
(ii) Document checklist for FSI acceptance inspection	
I hereby declare that to the best of my knowledge and belief, the	information provided above is true, correct
and complete. I understand that if I wilfully give any false in	formation, make any misrepresentation or
withhold any material information in this application form, the case	may be referred to appropriate professional
registration bodies/disciplinary boards for necessary action.	
	×
Signature of Registered Professional Engineer	Signature of Authorized Person
(if applicable)	

RFSIC Ref. No. RC 2 / 2 7 3 3 - 2 0 2 0 0 5 0 1 - 0 1

(RFSIC Reg No.) (Submission Date) (,) (yyyymmdd)

Certificate of Completion of Installation of

(Discrete No. Assigned by RFSIC)

Fire Service Installations and Equipment in New Buildings						
FP	FP Ref. No. *8/43/ <u>1234<56></u> * 19 /20/43/ <u>54321</u>					
	Types of	Fire	Service Installations and Equ	unm	ont	
V	Audio/Visual Advisory System		Fire Blanket		Sand Bucket	
	Automatic Actuating Device		Fire Control Centre		Sprinkler System	
	Automatic Fixed Installation other than Water	V	Fire Detection System		Static Smoke Extraction System	
	Deluge System	V	Fire Hydrant/Hose Reel System*		Street Fire Hydrant System	
	Drencher System		Fixed Automatically Operated		Supply Tank	
	Dust Detection System		Approved Appliance Fixed Foam System		Ventilation/Air Conditioning Control System	
	Dynamic Smoke Extraction System		Gas Detection System 🔴		Water Mist System	
Ø	Emergency Generator		Gas Extraction System	D	Water Spray System	
Ø	Emergency Lighting		Portable Fire Extinguisher		Water Supply	
Ø	Exit Sign		Pressurization of Staircase		Others	
Ø	Fire Alarm System		Ring Main System with Fixed			
	lease tick the appropriate box(es). above fire service installation(s)/	equi	pment has/have been installed a	at (ad	ddress of premises)	
	C Temporary Maternal and Child H					
	the installation well was	-	1	h. (contify that auch fire convice	
	the installation work was co allation(s) equipment, which was	5			certify that such fire service as submitted under the cover of	
FSI	/314 dated <u>01/05/2020</u> and/or bui	lding	plans approved by FSD on <u>19/</u>	08/2	<u>019</u> , has/have been tested and,	
	he best of my knowledge, is/are					
	imum Fire Service Installations a Equipment published from time to				nd Maintenance of Installations	
	jinal/certified true copies of the fo		-		vs:	
\checkmark	Completed testing and commis	ssior	ning checklist(s)			
\checkmark	*Listing certificate(s)/record(s)/	<mark>doci</mark>	u ment(s) /printout(s) from produc	t cer	rtification bodies	
	*FSD approval/acceptance lett	er(s)			
	*Test certificate(s)/data sheet(s	s)/ca	talogue(s)/ calculation(s)			
	Others (please specify, e.g. Fire Safe	ety M	anagement Plan, Fire Engineering Repo	ort): <mark>Se</mark>	ee document list attached	
₫ Р	lease tick the appropriate box(es).					

Remarks: Relevant test report(s) for dynamic smoke extraction system/ staircase pressurization system endorsed by the Registered Professional Engineer, if applicable, should be attached.

This certificate shall be issued by RFSIC to the person on whose instructions the installation work was undertaken and a copy thereof shall be forwarded to the Director of Fire Services within 14 days after completion of the work.

*19/20/43/54321

I understand that this Certificate is issued under Regulation 9 of the Fire Service (Installations and Equipment) Regulations. Any registered fire service installation contractor (RFSIC) commits an offence and is liable on conviction to a fine at level 5 pursuant to Regulations 9(2A) and 9(3) of the same Regulations, if it issues or forwards a certificate thereunder, or a copy thereof, which is false or misleading in a material particular.

(For Class 1 & 2 RFSIC):	(For Class 3 RFSIC):
Registration No.: RC1 / 2729, RC2 / 2733	Registration No.:
RFSIC Name: DEF Fire Protection Ltd.	_ RFSIC Name:
Full Name of Authorized Signatory:	
LEE Kwok-ming	
Authorized Signature: Company Chop:	Signature:
× ×	
Office address: Unit A, 16/F, Block 3, DEF Industrial C	City, No. 198 DEF Road, Kowloon
Telephone No.: 2311 0066	Date: 01/05/2020
Remarks: Fixed automatically operated approved appliant certified by Class 3 RFSIC via separate FSI/501a.	ce and portable hand-operated approved appliance should be
The second	

This certificate shall be issued by RFSIC to the person on whose instructions the installation work was undertaken and a copy thereof shall be forwarded to the Director of Fire Services within 14 days after completion of the work.

RFSIC Ref. No. RC 3 / 7 6 1 9 - 2 0 2 0 0 5 0 1 -

(RFSIC Reg No.) (Submission Date) (yyyymmdd)

Certificate of Completion of Installation of Fire Service Installations and Equipment in New Buildings

(Discrete No. Assigned by RFSIC)

()

FP	Ref. No. <mark>*8/43/<u>1234<56></u></mark>		* 19 /20/43/ <u>54321</u>			
	Types of	Fire	Service Installations and Equ	uinm	ent:	
	Audio/Visual Advisory System		Fire Blanket	<mark>⊿</mark>	Sand Bucket	
	Automatic Actuating Device		Fire Control Centre		Sprinkler System	
	Automatic Fixed Installation other than Water		Fire Detection System		Static Smoke Extraction System	
	Deluge System		Fire Hydrant/Hose Reel System*		Street Fire Hydrant System	
	Drencher System	V	Fixed Automatically Operated		Supply Tank	
	Dust Detection System		Approved Appliance Fixed Foam System		Ventilation/Air Conditioning Control System	
	Dynamic Smoke Extraction System		Gas Detection System		Water Mist System	
	Emergency Generator		Gas Extraction System		Water Spray System	
	Emergency Lighting	Ø	Portable Fire Extinguisher		Water Supply	
	Exit Sign		Pressurization of Staircase		Others	
	Fire Alarm System		Ring Main System with Fixed			
	Please tick the appropriate box(es). e above fire service installation(s)/	equi	pment has/have been installed a	at (ad	ddress of premises)	
	C Temporary Maternal and Child I					
			\checkmark			
	X		1			
inst FSI tes Pra	I the installation work was of allation(s)/equipment, which was /314 dated and, to the best of my knowled office for Minimum Fire Service Ir callations and Equipment publishe	were ar edge istal	e installed according to the FSI nd/or building plans approved by e, is/are in efficient working orde lations and Equipment and Insp	plan FSD er in ectio	0 on <u>19/08/2019</u> , has/have been accordance with the Codes of on, Testing and Maintenance of	
Ori	ginal/certified true copies of the fo	llowi	ng documents are attached as f	ollow	/S:	
	Completed testing and commis	ssior	ning checklist(s)			
	*Listing certificate(s)/record(s)	doc	ument(s)/printout(s) from produc	t cer	tification bodies	
	*FSD approval/acceptance lett	er(s)			
	*Test certificate(s)/data sheet(s)/catalogue(s)/calculation(s)					

Others (please specify, e.g. Fire Safety Management Plan, Fire Engineering Report): see list of equipment location attached

Please tick the appropriate box(es).

Remarks: Relevant test report(s) for dynamic smoke extraction system/ staircase pressurization system endorsed by the Registered Professional Engineer, if applicable, should be attached.

This certificate shall be issued by RFSIC to the person on whose instructions the installation work was undertaken and a copy thereof shall be forwarded to the Director of Fire Services within 14 days after completion of the work.

* Please delete as appropriate. FSI/501a

FP	Ref.	No.	*8/43/	1234	1<56>
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*19/20/43/54321

I understand that this Certificate is issued under Regulation 9 of the Fire Service (Installations and Equipment) Regulations. Any registered fire service installation contractor (RFSIC) commits an offence and is liable on conviction to a fine at level 5 pursuant to Regulations 9(2A) and 9(3) of the same Regulations, if it issues or forwards a certificate thereunder, or a copy thereof, which is false or misleading in a material particular.

(For Class 1 & 2 RFSIC):	I I	(For Class 3 RFSIC):
Registration No.:		Registration No.: RC3 / 7619
RFSIC Name:	I	RFSIC Name: WONG Tai-man
Full Name of Authorized Signatory:		
Authorized Signature: Com	npany Chop:	Signature:
		<u> </u>
Office address: Unit A, 16/F, Block 3, I	DEF Industrial City,	No. 198 DEF Road, Kowloon
Telephone No.: 2311 0066,	Date: 01.	1/05/2020
Remarks: Fixed automatically operated a certified by Class 3 RFSIC via separate FSI	pproved appliance ar /501a.	nd portable hand-operated approved appliance should I

This certificate shall be issued by RFSIC to the person on whose instructions the installation work was undertaken and a copy thereof shall be forwarded to the Director of Fire Services within 14 days after completion of the work.