

Summary of Notes of 65th Ventilation Installations Liaison Group Meeting

(held on 11.03.2021)

2 2.1.	<p><u>Matters arising from last meeting</u></p> <p><u>Review of Protection Requirements against Fire and Smoke in Protected Areas</u></p> <p>Mr. Sam CHAN of HKRSVCA submitted a set of revised ventilating drawings for demonstration of typical provisions of fire dampers at compartment walls and, fire & smoke dampers at fire-rated ceilings in protected lobby/areas of eight (8) different scenarios to VILG for comment on 20.10.2020. Official comments from VD were issued to HKRSVCA on 11.3.2021. It was reminded that fire dampers should be installed at fire barriers in accordance with compartmentation as shown in approved building plans. For ventilating systems installed inside any void with the fire-rated ceiling, requirements as stated in 5.1 of 4/96, should be complied with.</p>
2.2.	<p><u>Acceptance Inspection for Ventilating System in Licensed Premises</u></p> <p>HKRSVCA proposed a set of ventilating drawings for some examples of ventilating system layouts with air ducts serving licensed premises and also communal air ducts with provision of fire dampers at compartment walls on 7.3.2021 to VILG for discussion on acceptance inspection and corresponding responsible parties of certification for compliance D. In this connection, VD issued comments on the proposal on 11.3.2021 and details of comments were discussed during the meeting. HKRSVCA would incorporate comments and submit a set of revised ventilating drawings accordingly.</p>
2.3	<p><u>Mounting Method of Proprietary made Fire Damper</u></p> <p>The Secretary advised that there was no further update on the issue. This item would be deleted.</p>

2.4	<p><u>Review of Part XI, FSD Circular Letter no. 4/96</u></p> <p>The Secretary advised that nominations of members from each organisation were received. In this connection, the Chairman advised that the 1st sub-working group meeting would be tentatively conducted in April 2021.</p>
2.5	<p><u>Review for the use of Pre-insulated Panels for the Construction of Air Ducts in Mechanical Ventilating System</u></p> <p>The Secretary reported that <u>Mr. M.T. LAW</u> of HKRSCVA provided training material for fabrication and use of the pre-insulated panels. The meeting reviewed and agreed that the manufacturer and practitioners in mechanical ventilation industry acquainted themselves with the techniques and gained over 6-year practical experience in testing and using such pre-insulated panels for compliance with the requirements stipulated in FSD Circular Letter No. 1/2014. The Chairman advised that job reference showing the practical experience in installation of the product as well as relevant test reports and etc. would be required for new application for FSD acceptance assessment of the product's acceptance. Further extension of trial period was considered as no longer required. Nevertheless, the requirements for the use of the product as mentioned in the acceptance's letter for compliance with the requirements stipulated in FSD Circular Letter No. 1/2014 should be followed.</p>
3	<p><u>AOB</u></p> <p>3.1 <u>Exemption for Submission of Annual Inspection Certificates to FSD under Section 41, Cap 123</u></p> <p>The Secretary reminded members that buildings belonging to the Government were exempted from the provision of Building (Ventilating System) Regulation in accordance with Chapter 123, Section 41 and annual inspection certificate in the relevant category of buildings would not be accepted by VD. Nevertheless, the owner has the responsibility for proper maintenance and inspection of the ventilating systems in the building.</p>

3.2	<p><u>Enquires from HKFEMC</u></p>
3.2.1	<p><u>Mr. K.Y. IP</u> of HKFEMC enquired the provision of fire dampers at cases where intake or exhaust is terminated to the external louvre on building external wall or facade which may be:</p> <ul style="list-style-type: none"> (i) under canopy; (ii) under canopy like cover; (iii) at MOE/ MOA; or (iv) at light well <p>The Chairman advised that the subject might be related to the prevention of fire spread between buildings and protected areas which was under the jurisdiction of the Buildings Department (BD). Should the project proponent encounter any proposal in complying the relevant clauses in BD Code, he/she might consider consulting Buildings Department. In case of referral for comment from BD was received, FSD would assist in giving fire safety advices related to ventilating system to BD on case-by-case basis.</p>
3.2.2	<p><u>Mr. K.Y. IP</u> of HKFEMC enquired the provision and activation requirements of fire damper for cases with ventilation or air conditioning duct penetrating through the building element with FRR above fire shutter. The Secretary advised that the opening for passage of air-conditioning duct or ventilation duct should be fitted with a fire damper operated by fusible links of a type approved by FSD as fire stop to maintain the required FRR of the building element.</p>
3.3.3	<p><u>Mr. K.Y. IP</u> of HKFEMC enquired the provision of fire or fire & smoke dampers for case with ventilation or air conditioning duct penetrating through the building element in smoke reservoir or fire barrier above smoke curtain.</p> <p>The Chairman advised that use of smoke curtain for smoke zone separation in fire compartment might be related to the smoke control strategy which was under the jurisdiction of the Buildings Department (BD). Should the project proponent encounter any proposal in complying the relevant clauses in BD Code, he/she might consider consulting Buildings Department. Regarding fire safety requirements of ventilating system, the opening for passage of air-conditioning duct or ventilation duct should be fitted with a fire damper operated by fusible links of a type approved by FSD if fire stop to maintain the required FRR of the building element or fire barrier of the smoke zone concerned is specified in approved building plan.</p>

