

**Supplementary Information on**  
**FCR(2009-10)12 : Replacement of Radio Communications Systems of the**  
**Fire Services Department**  
**for the FC Meeting on 8 May 2009**

As requested by the FC Chairman at her pre-meeting briefing with the Administration on 6 May 2009, supplementary information on the features and quantity required of the “portable repeaters” and “portable transceivers” mentioned in FCR(2009-10)12 is appended below for Members’ information.

At scene of incident, frontline members will use portable radio sets to communicate with each other. During the radio communications inside a building, the strength of radio signal would be inevitably reduced gradually after transmission through walls or floor slabs, thus rendering the radio communications difficult inside the premises on some occasions. The function of portable repeaters as mentioned in paragraph 4(b) of the FC Paper FCR(2009-10)12 is used to improve radio signal transmission inside the building by deploying various portable repeaters at strategic locations for relaying the radio signal, thus enhancing the radio coverage of indoor communications.

Portable radio repeaters will be stowed onto the designated frontline fire appliances only and its scale of allocation will be basically one portable radio repeater per each designated frontline fire appliance. Therefore, procurement of 201 portable radio repeaters is required to meet the scale of allocation.

The function of portable transceivers (or commonly known as portable radio sets) as mentioned in paragraph 7 of the above-mentioned FC Paper is used to provide radio communications amongst frontline members at scene of incident. In general, all officers-in-charge of fire appliances are allocated with one portable radio whereas the scale of allocation for remaining crew members of fire appliance is one portable radio set per two members. As for ambulance, each ambulance will be allotted with one portable radio set for operational use. Therefore, procurement of 1,926 sets of portable transceivers is required to meet the scales of allocation.