Reference: 7.1.6.1
F.I. No. 1977-11-1

Background: NFPA 1977 Section 7.1.6.1 states: 7.1.6.1* Where the total surface area of all reinforcements exceeds the values in Table 7.1.6.1, the reinforcement composites shall be tested for evaporative heat transfer as specified in Section 8.5, Total Heat Loss Test, and shall have a total heat loss of not less than 450 W/m².

The associated non-mandatory Annex information states: A.7.1.6.1 Table 7.1.6.1 shows the THL requirements for different sizes of garments. The requirements represent the maximum surface area of garments that is allowed to have THL values below the required values. For all garments, the requirements are based on 30 percent of the total surface area of typical garment designs. For lower torso garments, the values are based on a 28 in. inseam length of each waist size. The surface areas of the waist band, fly, pants cuff, front waist pockets, belt loops, collar, front placket, sleeve cuff, seams, hook and loop, and hems are not considered when calculating the surface areas that must meet the required THL values.

Question: Was it the intent of the Technical Committee that all pockets (with the exception of the front waist pockets as indicated in A.7.1.6.1) be included in the calculation of the surface area of reinforcement?

Answer: Yes.