

## Corrections to the IFSTA Apparatus Driver Operator 2<sup>nd</sup> Ed.

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Pg. 8 – Vision requirement is 20/40. 1<sup>st</sup> Ed. Says 20/30 and the UFRA certification test says 20/30. The info on this page is accurate but in difference to the test.

Pg. 85 – “At speeds of 50 mph.....” can be confusing to the student when they read further and see “At a speed of 60 mph....” they need to remember the 50 mph fact.

Pg. 138 – Fig. 6.6 – the correct length of the building is 68 feet, not 96 feet. The math does not work otherwise.

Pg 178 – Example of 1 ¼” tip and 50 NP is correct given this problem. Realize that flows above 350 gpm are considered Master Streams, not handlines but if the Flow calc. is done the flow of this nozzle is 328 gpm. The quick method says an 1 ¼” tip is 400 gpm.

Pg. 190 – Figure 8.8 – Column 8, should be divided by 2, not “0.2”.

Pg. 200 & 350 – pg. 200 says it is not necessary to calc. FL in the standpipe, pg. 350 says “25 psi FL in the standpipe”. We recommend using page 200 – zero FL in the standpipe, calc EP and AL only.

Pg. 201, Figure 8.20, line 1 and line 2 lengths are reversed (500' and 300') from the L in the example on the same page.

Pg. 259 – Figure 9.8 – Under each finger (thumb number 12 is OK) it should be “9” not “12”. Also, Equation H, FL in 5” is 1/15 of Q<sup>2</sup>, the coefficient for 5” is 1/10 of Q<sup>2</sup> (3”) not 1/15. Coefficient of 3” = .8, 5” = .08.

Pg. 272 – Figure 10.14 – Net Pump Discharge Pressure is the *difference* of the pressure entering the pump *subtracted* from the pressure created by the pump. The glossary is correct in it's definition.

Pg 402 – Table 13.1 – under “Two 3’s” and 500 gpm the correct distance is 3,600 not 36,000.

Pg. 403 – Figure 13.14 – Flow should be 750 gpm not 1,000 gpm.

Pg. 405 – Figure 13.15 – top of the figure – 175 psi discharge pressure could be up to 180 psi using a 200 psi maximum pumping pressure. This figure shows a 195 maximum pressure leaving 20 psi residual to the next pumper.

Pg. 471 – Table 15.1 – under 750 gallon tank the “m” next to 7.5 should be deleted.