To: Manufacturers of backflow prevention assemblies  
From: Paul H. Schwartz, Chief Engineer  
Date: 1 October 2014  
Subject: Evaluation Policy 14-003 - Change Approval from the 9th to the 10th Edition

This policy is being issued to provide clarification on the additional testing / evaluation that is required to change the Foundation’s Approval of a backflow prevention assembly from the Manual of Cross-Connection Control 9th Edition to the 10th Edition.

The manufacturer of a backflow prevention assembly requesting a change of their Foundation Approval from the Manual of Cross-Connection Control 9th Edition to the 10th Edition must comply with the following:

1. The shutoff valve identification must comply with the identification requirements as per Manual – 10th Edition Section 10.1.1.2.17 Shutoff Valves, and Evaluation Policy #14-002 Shutoff Valve Marking.

2. Evaluate the backflow prevention assembly to the following:
   a. Laboratory Evaluation tests - 10th edition:
      i. Double Check Valve Assembly & Double Check Detector Assembly  
         10.1.2.3.3.1 Hydrostatic  
         10.1.2.3.3.2 Pressure loss vs flow rate  
         10.1.2.3.3.3 Test cock continuous flow  
         10.1.2.3.3.4 Closing point 1st check valve  
         10.1.2.3.3.5 Closing point 2nd check valve  
         10.1.2.3.3.6 Interdependence of components
      ii. Reduced Pressure Principle Assembly & Reduced Pressure Principle Detector Assembly  
         10.1.2.2.3.1 Hydrostatic  
         10.1.2.2.3.2 Pressure loss vs flow rate  
         10.1.2.2.3.3 Relief valve operation  
         10.1.2.2.3.4 Relief valve sensitivity and test cock continuous flow  
         10.1.2.2.3.5 Closing point 1st check valve  
         10.1.2.2.3.6 Closing point 2nd check valve  
         10.1.2.2.3.7 Interdependence of components  
         10.1.2.2.3.9 Backpressure/Backsiphonage
iii. Pressure Vacuum Breaker Assembly
10.1.2.4.3.1 Hydrostatic
10.1.2.4.3.2 Pressure loss vs flow rate
10.1.2.4.3.3 Test cock continuous flow
10.1.2.4.3.4 Air inlet opening point
10.1.2.4.3.5 Check valve closing point
10.1.2.4.3.6 Interdependence of components

iv. Spill Resistant Pressure Vacuum Breaker Assembly
10.1.2.8.3.1 Hydrostatic
10.1.2.8.3.2 Pressure loss vs flow rate
10.1.2.8.3.3 Test cock continuous flow
10.1.2.8.3.4 Air inlet opening point
10.1.2.8.3.5 Check valve closing point
10.1.2.8.3.6 Interdependence of components

b. Field Evaluation is not required

3. Evaluate bypass assemblies for DCDA & RPDA assemblies
   a. Item No. 1 above – Marking compliance
   b. Item No. 2.a.i or 2.a.ii above