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Prepared for:

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Test Protocol: ASTM F 1387, Standard Specification for Performance of Piping and Tubing Mechanically Attached Fittings, and GE 362A2915, General Electric Compression Fitting Test Specification, and SSP Tube Fitting Test Procedure P-001-13B-76.

Purpose: To determine compliance of SSP Duolok Instrumentation fittings with ASTM F 1387 – 99 and the more stringent General Electric, GE 362A2915 test procedure.

Test Conditions: OnSpeX 3rd-party witnessed all tests to assure compliance to ASTM and GE test specifications. All tests were performed at the Tech Center Laboratory of SSP FITTINGS in Twinsburg, OH, except for vibration testing, which was performed at OnSpeX test facility in Cleveland, OH.

Test Methods: All fittings were assembled in accordance with SSP published instructions. All tests were performed in accordance with ASTM F 1387, Standard and Supplementary Tests, as follows: Sizes under test include Duolok ¼”, ½”, ¾” and 1” diameters; Metric sizes are proportional in design to inch in every respect and are included in sizes 6mm thru 25mm.

ASTM F 1387 Standard Performance Tests: A2 Examination of Specimen, A3 Pneumatic Proof Test, A4 Hydrostatic Proof Test, A5 Impulse Test, A6 Flexural Fatigue Test, A7 Tensile Test, A8 Hydrostatic Burst Test, A9 Repeated Assembly Test, A10 Rotary Flex Test, Section 7.2 Intermixing of MAF Subcomponents (SSP Duolok vs. Swagelok fitting components).

ASTM F 1387 Supplemental Performance Tests: S2 Thermal Cycling Test, S3 Elevated Temperature Soak Test, S8 Vibration Test. Intermix and Interchange test to ASTM F 1387, paragraph 7.2 Intermixing of MAF Subcomponents.

Test Results: See **OnSpeX Witness Testing Report Number 30008102**, October 15, 2008 (R3 June 10, 2011), for detailed test information and related results.

Conclusion: SSP Duolok Instrumentation fittings meet all the above requirements of ASTM F 1387 – 99, and the GE 362A2915 test procedure (excluding GE’s initial makeup torque).

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