1000 Cranberry Woods Drive,
Cranberry Township, PA 16066

MSA Declaration of Conformity
In Accordance with ANSI/ISEA 125-2014
IAC-23-068 - Z04 Rev 4

Statement of Conformity: MSA declares that the V-SERIES EA Web Lanyards is in conformity with the requirements of ANSI Z359.13-2013

Product Code	**Model / Part Numbers Covered**
IAC-23-068	EL/ST/1/A/NT-ANSI, EL/ST/2/A/NT-ANSI, EL/ST/1/F/TB-ANSI, EL/ST/2/F/TB-ANSI, EL/ST/1/F/NT-ANSI, EL/ST/2/F/NT-ANSI, ME/ST/1/F/TB-ANSI, ME/ST/2/F/TB-ANSI, ME/ST/1/A/TB-ANSI, ME/ST/2/A/TB-ANSI, EX/ST/1/F/NT-ANSI, EX/ST/2/F/NT-ANSI, EL/ST-ANSI, KV/ST/1/F/NT-ANSI, KV/ST/2/F/NT-ANSI, AC/ST/1/F/NT-ANSI, AC/ST/2/F/NT-ANSI EL/12/1/A/NT-ANSI, EL/12/2/A/NT-ANSI, EL/12/1/F/NT-ANSI, EL/12/2/F/NT-ANSI

ANSI/ISEA 125-2014 conformity assessment method: [ ] Level 1 [X] Level 2

For Level 2, information about ISO 17025-accredited facility in which the product was tested:

[X] The test facility is an independent 3rd Party ISO 17025-accredited facility.

[X] The test facility is owned or partially owned by an entity within supplier's corporate structure, or within the manufacturing stream for this product, including subcontractors and sub-suppliers.

ISO Accrediting Agency: ANAB ANSI National Accreditation Board

Report	Test Facility Used:	Test Facility Document #
1	FPLab	10191755-AFL20180924 (0830; 0845; 0900)
2	FPLab	10191755-DPL20180924 (1427; 1424; 1434)
3	FPLab	10191755-DPL20180924 (1239; 1233; 1245)-Cold

4	FPLab	10191755-DPL20180924 (1334, 1330, 1338)-Hot
5	FPLab	10191755-DPL20180924 (1643, 1640, 1649)-Wet
6	FPLab	10191755-SSS20180927 (0850, 0842, 0830)
7	FPLab	10193129-DPL20180924 (1622,1616, 1628)-Dual
8	FPLab	10193129 SSS20180926 (1525, 1502, 1535)-Misuse
9	FPLab	10193129 SSS20180926 (1158, 1055, 1120)-WA
10	FPLab	10193129-DPL20180924 (1052, 1125, 1146)-Y
11	FPLab	10193553 DPL20180925(1404, 1558, 1609)-Dual
12	FPLab	10193553 SSS20180926 (1714, 1700, 1730)-Misuse
13	FPLab	10193748 AFL20180924 (0946, 0956, 0936)
14	FPLab	10193748 DPL20180924 (1348, 1406, 1358)
15	FPLab	10193748 DPL20180924 (1701, 1656, 1706)-Wet
16	FPLab	10193748 DPL20180925 (1405, 1356, 1408)-Hot
17	FPLab	10193748 DPL20180925 (1318, 1314, 1322)-Cold
18	FPLab	10193748 SSS20180927 (0946, 0955, 0930)
19	FPLab	DPL20180924 (1515, 1503, 1508)
20	FPLab	DPL20180924 (1558, 1547, 1552)
21	FPLab	SSS20180926 (1630, 1615, 1645)
22	FPLab	SSS20180926 (1340, 1423, 1403)
23	FPLab	SSS20180927 (1038, 1010, 1023)
24	FPLab	SSS20180925 (1515, 1446, 1541)
25	FPLab	SSS20180924 (1007, 1017, 0955)

26	FPLab	SSS20180924 (1329, 1252, 1338)
27	FPLab	SSS20180925 (1258, 1253, 1306)
28	FPLab	SSS20180925 (1347, 1343, 1351)
29	FPLab	SSS20180925 (1625, 1619, 1632)
30	FPLab	SSS20180926 (1214, 1252) SSS20180924 (1338)
31	FPLab	DPEA20181107 (0953, 0958, 1003)
32	FPLab	AFL20181105 (1026, 1022, 1019)
33	FPLab	DPL20181105 (1403, 1408, 1411)
34	FPLab	DPL20181107 (0912, 0916, 0932)
35	FPLab	DPL20181106 (1155, 1149, 1200)
36	FPLab	DPL20181106 (1705, 1713, 1719)
37	FPLab	SSS 20181105 (1714, 1745, 1805)
38	FPLab	SSS 20181106 (0857, 0910, 0918)
39	FPLab	DPL20181105 (1454, 1459, 1506)
40	FPLab	DPL20181105 (1432, 1438, 1448)
41	FPLab	SSS20181105 (1245, 1257, 1321)
42	Intertek	103960179CRT-001
43	FPLab	AFL 20181022 (0915, 0925, 0935)
44	FPLab	DPL 20191022 (1031, 1043, 1052)
45	FPLab	SSS 20191022 (1550, 1512, 1625)
46	FPLab	SSS 20191101 (1422, 1440, 1432)
47	FPLab	DPL 20191022 (1640, 1650, 1646)

48	FPLab	DPL 20191022 (1219, 1340, 1331)
49	FPLab	DPL 20191025 (0956, 0951, 0946)
50	FPLab	DPL 20191024 (0951, 0946, 0955)

For additional information about this product(s), please contact MSA Customer Service at 1-800-MSA-2222. When requesting information, please reference model number(s).

Quality Assurance: David Backfisch, QA Engineer — Date: 18/11/2019 dd/mm/yyyy

Qualified Person: Loryn Bertoti — Date: 15/11/2019 dd/mm/yyyy

Performance Details

Revision 4

Report	Standard and Product Requirements	Results	Pass / Fail
1	ANSI Z359 13-2013 Section 4 2 Activation Force	No Sign of Activation No permanent elongation > 2 inches	Pass
2	ANSI Z359 13-2013 Section 4 5 Dynamic Performance - Ambient	Ave Arrest Force <= 900 lbs Max Deployment = 48 inches Max Arrest Force <= 1,800 lbs	Pass
3	ANSI Z359 13-2013 Section 4 5 Dynamic Performance - Cold	Ave Arrest Force <= 1,125 lbs Max Deployment = 48 inches Max Arrest Force <= 1,800 lbs	Pass
4	ANSI Z359 13-2013 Section 4 5 Dynamic Performance - Hot	Ave Arrest Force <= 1,125 lbs Max Deployment = 48 inches Max Arrest Force <= 1,800 lbs	Pass
5	ANSI Z359 13-2013 Section 4 5 Dynamic Performance - Wet	Ave Arrest Force <= 1,125 lbs Max Deployment = 48 inches Max Arrest Force <= 1,800 lbs	Pass
6	ANSI Z359 13-2013 Section 4 3 Energy Absorber Static, ANSI Z359 13-2013 Section 4 6 1 Static Strength, ANSI Z359 13-2013 Section 4 7 1 Static Strength of Y Lanyards	Min Break Strength >= 5,000 lbs	Pass
7	ANSI Z359 13-2013 Section 4 9 Dynamic Dual Connection	Max Arrest Force <= 1,800 lbs	Pass
8	ANSI Z359 13-2013 Section 4 7 1 Single Leg Static, ANSI Z359 2013 Section 4 7 2, ANSI Z359 13-2013 Section 4 7 3 Misuse Static	Min Break Strength >= 5,000 lbs	Pass
9	ANSI Z359 13-2013 Section 4 6 Static Strength, ANSI Z359 13-2013 Section 4 11 Wrap Around Static, ANSI Z359 13-2013 Section 4 12 Abrasion Wrap Around	Minimum Breaking Strength >= 3,600 lbs for 4 12 Includes MBS >= 5,000 lbs for 4 11	Pass
10	ANSI Z359 13-2013 Dynamic Performance, ANSI Z359 13-2013 Dynamic Y Lanyards	Ave Arrest Force <= 900 lbs Max Deployment = 48 inches Max Arrest Force <= 1,800 lbs	Pass
11	ANSI Z359 13-2013 Section 4 9 Dynamic Dual Connection	Max Arrest Force <= 1,800 lbs	Pass
12	ANSI Z359 13-2013 Section 4 7 1 Single Leg Static, ANSI Z359 2013 Section 4 7 2, ANSI Z359 13-2013 Section 4 7 3 Misuse Static	Min Break Strength >= 5,000 lbs	Pass
13	ANSI Z359 13-2013 Section 4 2 Activation Force	No Sign of Activation No permanent elongation > 2 inches	Pass
14	ANSI Z359 13-2013 Section 4 5 Dyanamic Performance	Ave Arrest Force <= 900 lbs Max Deployment = 48 inches Max Arrest Force <= 1,800 lbs	Pass

15	ANSI Z359 13-2013 Section 4 5 Dyanamic Performance	Ave Arrest Force <= 1,125 lbs Max Deployment = 48 inches Max Arrest Force <= 1,800 lbs	Pass
16	ANSI Z359 13-2013 Section 4 5 Dyanamic Performance	Ave Arrest Force <= 1,125 lbs Max Deployment = 48 inches Max Arrest Force <= 1,800 lbs	Pass
17	ANSI Z359 13-2013 Section 4 5 Dyanamic Performance	Ave Arrest Force <= 1,125 lbs Max Deployment = 48 inches Max Arrest Force <= 1,800 lbs	Pass
18	ANSI Z359 13-2013 Section 4 6 Static Strength, ANSI Z359 13-2013 Section 4 7 1 Static Leg	Min Break Strength >= 5,000 lbs	Pass
19	ANSI Z359 13-2013 Section 4 5 Dynamic Performance, ANSI Z359 13 Section 4 8 Dynamic Y Lanyards (Ambient Dry)	Ave Arrest Force <= 900 lbs Max Deployment = 48 inches Max Arrest Force <= 1,800 lbs	Pass
20	ANSI Z359 13-2013 Section 4 9 Dynamic Dual Connection (Ambient Dry)	Max Arrest Force <= 1,800 lbs	Pass
21	ANSI Z359 13-2013 Section 4 7 1 Single Leg, ANSI Z359 2013 Section 4 7 2 Alternate Leg, ANSI Z359 13-2013 Section 4 7 3 Misuse Test	Min Break Strength >= 5,000 lbs	Pass
22	ANSI Z359 13-2013 Section 4 6 Static Testing of EAL's (Ambient Dry)	Min Break Strength >= 5,000 lbs	Pass
23	ANSI Z359 13-2013 Section 4 6 1 Static Strength (Ambient Dry)	Min Break Strength >= 5,000 lbs Maintain adjusted length up to a load of 2,000 lbs	Pass
24	ANSI Z359 13-2013 Section 4 6 Static Strength, ANSI Z359 13-2013 Section 4 11 Wrap Around Static, ANSI Z359 13-2013 Section 4 12 Abrasion Wrap Around (Ambient Dry)	Minimum Breaking Strength >= 3,600 lbs for 4 12 Includes MBS >= 5,000 lbs for 4 11	Pass
25	ANSI Z359 13-2013 Section 4 2 Activation Force Testing (Ambient Dry)	No Sign of Activation No permanent elongation > 2 inches	Pass
26	ANSI Z359 13-2013 Section 4 5 Dynamic Performance (Ambient)	Ave Arrest Force <= 900 lbs Max Deployment = 48 inches Max Arrest Force <= 1,800 lbs	Pass
27	ANSI Z359 13-2013 Section 4 5 Dynamic Performance test (Cold - Dry)	Ave Arrest Force <= 1,125 lbs Max Deployment = 48 inches Max Arrest Force <= 1,800 lbs	Pass
28	ANSI Z359 13-2013 Section 4 5 Dynamic Performance test (Hot)	Ave Arrest Force <= 1,125 lbs Max Deployment = 48 inches Max Arrest Force <= 1,800 lbs	Pass
29	ANSI Z359 13-2013 Section 4 5 Dynamic Performance test (Wet)	Ave Arrest Force <= 1,125 lbs Max Deployment = 48 inches Max Arrest Force <= 1,800 lbs	Pass
30	ANSI Z359 13-2013 Section 4 6 Static Testing of EAL's	Min Break Strength >= 5,000 lbs Maintain adjusted length up to a load of 2,000 lbs	Pass
31	ANSI Z359 13-2013 Section 4 4 Dynamic Performance of PEAs	Ave Arrest Force <= 900 lbs Max Deployment = 48 inches Max Arrest Force <= 1,800 lbs	Pass
32	ANSI Z359 13-2013 Section 4 2 Activation Force Testing (Ambient)	No Sign of Activation No permanent elongation > 2 inches	Pass

33	ANSI Z359 13-2013 Section 4 5 Dynamic Performance (Ambient)	Ave Arrest Force <= 900 lbs Max Deployment = 48 inches Max Arrest Force <= 1,800 lbs	Pass
34	ANSI Z359 13-2013 Section 4 5 Dynamic Performance (Cold)	Ave Arrest Force <= 1,125 lbs Max Deployment = 48 inches Max Arrest Force <= 1,800 lbs	Pass
35	ANSI Z359 13-2013 Section 4 5 Dynamic Performance (Hot)	Ave Arrest Force <= 1,125 lbs Max Deployment = 48 inches Max Arrest Force <= 1,800 lbs	Pass
36	ANSI Z359 13-2013 Section 4 5 Dynamic Performance (Wet)	Ave Arrest Force <= 1,125 lbs Max Deployment = 48 inches Max Arrest Force <= 1,800 lbs	Pass
37	ANSI Z359 13-2013 Section 4 6 Static Testing of EAL's	Min Break Strength >= 5,000 lbs Maintain adjusted length up to a load of 2,000 lbs	Pass
38	ANSI Z359 13-2013 Section 4 7 1 Single Leg, ANSI Z359 2013 Section 4 7 2 Alternate Leg	Min Break Strength >= 5,000 lbs	Pass
39	ANSI Z359 13-2013 Section 4 9 Dynamic Dual Connection	Max Arrest Force <= 1,800 lbs	Pass
40	ANSI Z359 13-2013 Section 4 5 Dynamic Performance (Ambient)	Ave Arrest Force <= 900 lbs Max Deployment = 48 inches Max Arrest Force <= 1,800 lbs	Pass
41	ANSI Z359 13-2013 Section 4 7 3 Misuse Test	Min Break Strength >= 5,000 lbs	Pass
42	ANSI Z359 13-2013 Sections 4 2 Activation Force 4 13 1 Dynamic Performance - Ambient Wet 4 13 2 Dynamic Performance - Cold Dry 4 13 3 Dynamic Performance - Hot Dry 4 7 Static Strength, (Y Lanyards, 3-configurations) 4 8 Dynamic Performance, (y-Lanyard, single connection) 4 9 Dynamic Performance, (y-Lanyard, Dual connection)	See Test Report	Pass
43	ANSI Z359 13-2013 Section 4 2 Activation Force	No Sign of Activation No permanent elongation > 2 inches	Pass
44	ANSI Z359 13-2013 Section 4 5 Dynamic Performance (Ambient)	Ave Arrest Force <= 1,350 lbs Max Deployment = 60 inches Max Arrest Force <= 1,800 lbs	Pass
45	ANSI Z359 13-2013 Section 4 3 Energy Absorber Static, ANSI Z359 13-2013 Section 4 6 1 Static Strength, ANSI Z359 13-2013 Section 4 7 1 Static Strength of Y Lanyards	Min Break Strength >= 5,000 lbs	Pass
46	ANSI Z359 13-2013 Section 4 6 1 Static Strength	Min Break Strength >= 5,000 lbs Maintain adjusted length up to a load of 2,000 lbs	Pass
47	ANSI Z359 13-2013 Section 4 5 Dynamic Performance (Wet)	Ave Arrest Force <= 1,575 lbs Max Deployment = 60 inches Max Arrest Force <= 1,800 lbs	Pass

48	ANSI Z359 13-2013 Section 4 5 Dynamic Performance (Hot)	Ave Arrest Force <= 1,575 lbs Max Deployment = 60 inches Max Arrest Force <= 1,800 lbs	Pass
49	ANSI Z359 13-2013 Section 4 5 Dynamic Performance (Cold)	Ave Arrest Force <= 1,575 lbs Max Deployment = 60 inches Max Arrest Force <= 1,800 lbs	Pass
50	ANSI Z359 13-2013 Section 4 9 Dynamic Dual Connection	Max Arrest Force <= 1,800 lbs	Pass

Revision	Date	Project Engineer	Qualified Person
0	1/9/2019	Loryn Bertoti	N/A
1	3/5/2019	Loryn Bertoti	N/A
2	6/17/2019	Loryn Bertoti	N/A
3	9/24/2019	Loryn Bertoti	N/A
4	11/15/2019	Loryn Bertoti	Loryn Bertoti