Suppliers Declaration of Conformity for USGv6 Products

1. The Document Securing Conformity: USGv6-v1 SDOC-v1.10

2. Product Identifier: xPico 2xx

3. Supplier's Name, Address and SDOC Contact Details

Contact Name: Chirjeet Singh
Contact Phone #: (949) 923-9603
Supplier's Name and Address:
Lantronix
7535 Irvine Center Drive
Irvine, CA 92618

4. Product as Tested/Declared: Product Identifier, version/revision, information, details of configuration

   V3.5.0.0

5. Product Family (other products using same IPv6 stack(s) to which these results are declared to apply). Check Product Family attestation box:

   xPico 200 Family (xPico 240/250/270)

6. USGv6 Capability summary. (For each distinct IPv6 stack in the product provide a summary of its USGv6 capabilities below and include a detailed test result summary). e.g. example-prod-id-stack-1. USGv6-v1-Host. IPv6-Base+Addr-Arch+IPsec-v3+IKEv2+SLAAC+Link=Ethernet

   USGv6-v1-Host: Addr-Arch+Link=Ethernet

7. Self Contained or Composite SDOC? (Must indicate one):

   Yes
   All of the declared USGv6 capabilities of this product are addressed by original test results reported in this SDOC. Some or all of the USGv6 capabilities of this product are provided by the use and/or integration of unmodified components that have their own unique USGv6 SDOCs. All of the relevant referenced SDOCs are identified in section 8 and attached. This product's page 2 will indicate which capabilities are provided by specific referenced components (product-idstack-id).


   Component Supplier  | Product ID:  | Stack ID:  | Notes:
   [1]  |  |  |  |
   [2]  |  |  |  |
   [3]  |  |  |  |
   [4]  |  |  |  |

9. Supplementary Attestations (Answer all):

   Yes  | This product is fully functional in dual stack environments. That is, no claimed capabilities are invalidated if this product is operated in a dual stack IPv6/IPv4 environment.
   Yes  | This product is fully functional in IPv6 only environments. That is, no claimed capabilities are invalidated if this product is deployed in a network environment that does not support IPv4.
   Yes  | This SDOC contains a capabilities test report for each unique IPv6 stack in this product. If not, the stacks/ports not covered are documented, and any tested IPv6 capabilities differ from those reported are explained.
   Yes  | All of the products listed in the product family in section 5 are implemented such that their USGv6 capabilities are identical in form and function across the entire product family. The specific conformance and interoperability test results for the USGv6 capabilities of an identified member of this product family are provided in this SDOC. The SDOC attests that these tested USGv6 capabilities are identical and unmodified for all the products cited above.

10. Signature  

    Print Name / Title: Chirjeet Singh; Director Software Development

    Date: 10/23/2019

See instructions for fields 1-12 on Page 4.
<table>
<thead>
<tr>
<th>Spec / Reference</th>
<th>Section</th>
<th>USGv6-1 Profile Requirements</th>
<th>Configuration Option</th>
<th>Host / Router</th>
<th>Test Suite Interoperability</th>
<th>Test Lab / Result ID, Note #, or Component Ref</th>
<th>USGv6 Testing Program Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>6.1</td>
<td>IPv6 Basic Requirements</td>
<td>6.1.1</td>
<td>support of IPv6 Link Layer (e.g., IPv6 over Ethernet)</td>
<td>Basic v1.1, C</td>
<td>UNH-IOL/30354, Note 1-3</td>
<td>Basic V1.1</td>
<td>UNH-IOL/30354, Note 1-3</td>
</tr>
<tr>
<td>6.2</td>
<td>Routing Protocol Requirements</td>
<td>6.2.1</td>
<td>support of the intra-domain routing protocols</td>
<td>IPv6</td>
<td>Self Test</td>
<td>Self Test</td>
<td>USGv6_v1.1</td>
</tr>
<tr>
<td>6.3</td>
<td>Quality of Service Requirements</td>
<td>6.3.1</td>
<td>support of base multicast</td>
<td>IPv6</td>
<td>Self Test</td>
<td>Self Test</td>
<td>USGv6_v1.1</td>
</tr>
<tr>
<td>6.4</td>
<td>Transition Mechanism Requirements</td>
<td>6.4.1</td>
<td>support of inter-domain transition mechanisms</td>
<td>IPv6</td>
<td>Self Test</td>
<td>Self Test</td>
<td>USGv6_v1.1</td>
</tr>
<tr>
<td>6.5</td>
<td>Link Specific Technologies</td>
<td>6.5.1</td>
<td>support of link technology [O:1]</td>
<td>IPv6</td>
<td>Self Test</td>
<td>Self Test</td>
<td>Self Test</td>
</tr>
</tbody>
</table>

Note: X - Check HERE if this stack's SDOC includes additional information about tested capabilities and options on an attached page 3 of notes.

Level of support for USGv6-1 Requirements for capability:
- N: indicates capability that is left optional / conditional by the recommendations of the USGv6-v1 Profile.
- P: passed required tests of USGv6-v1 requirements for these capabilities.
- A: Performed additional tests for USGv6-v1 requirements for these capabilities.

Color Indication of USGv6-v1 Recommended Level of Support for Device type / stack role:
- Blank - SDOC makes no declaration for this capability.
- N: indicates capability that is left optional / conditional by the recommendations of the USGv6-v1 Profile.
- P: passed required tests of USGv6-v1 requirements for these capabilities.
- A: passed additional tests for USGv6-v1 requirements for these capabilities.

Note # - reference to a detailed note about this capability or result on attached page.

Test Suite - Specific USGv6 Test suite used for test. See: http://www.amt-mist.gov/usg6v/test-specifications.html

Component Ref - Supplier / Product / Stack ID of distinctly tested component that provides this capability.
### Discussion:

When the Device Under Test (DUT) received a fragmented packet of size 1500, it did not appear to reassemble the received fragments, send error packet, nor did it respond with an Echo Reply when given a fragmented Echo Request.

### Discussion:

The device under test did not transmit a Solicited NA for a second autoconfigured global address before the lifetime expired.

### Discussion:

The device under test generates error messages in response to IPv6 packets with multicast source addresses.
<table>
<thead>
<tr>
<th>Field</th>
<th>Description and instructions</th>
<th>Field</th>
<th>Description and instructions</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td><strong>The Document Requiring Conformity:</strong> Identifies the profile version implemented. Not a user completeable field.</td>
<td>11</td>
<td><strong>Summary of Results:</strong> The format of this table mirrors the USGv6-v1.0 capabilities checklist (USGv6 Profile, Appendix A). The 12 categories of USGv6 capabilities are listed as subheadings, with subsidiary functions as line items. Configuration options related to conditional implementation of selected capabilities.</td>
</tr>
<tr>
<td>2</td>
<td><strong>Product Identifier:</strong> Supplier's concise name for the product declared.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td><strong>Suppliers Name, Address and Contact Details:</strong> Company name and point of contact for SDOC questions, street address, phone and email.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td><strong>Product as Tested/Declared:</strong> Product Identifier and detailed version information. If this SDOC reports original test results (page 2), include information about the specific product configuration(s) that was actually tested (e.g., hardware configuration, operating system, etc.).</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td><strong>Product Family:</strong> A list of other products that use the same, unmodified IPv6 stacks such that their USGv6 capabilities are identical in form and function to the specific product configuration above. Test labs are only required to affirm the results for specific products tested. Test labs optionally may affirm recognized product families.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td><strong>USGv6 Capability Summary:</strong> The USGv6 stack implementation summary as identified by the &quot;v&quot; notation described in the USGv6 profile, Appendix A. For each IPv6 stack implementation in the product, a distinct Stack Id and reference to the attached Results Summary page (Page 2).</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td><strong>Self Contained or Composite SDOC:</strong> If this SDOC relies on the test results of other distinct products, list the Supplier &amp; Product ID/Stack Ids referenced and attach those original SDOCs to this one.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8</td>
<td><strong>Additional Declarations / Attachments:</strong> List the supplier / product ID / Stack ID of any test results of composite components referenced by this SDOC.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9</td>
<td><strong>Supplementary Attestations:</strong> Suppliers disclosure of IPv6 only capabilities; multiple stacks present; product family applicabilities. These are not included to qualify or disqualify a product from purchase considerations, but to inform network administrators of potential configuration options relevant to USGv6 interoperability. Check all that apply.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10</td>
<td><strong>Signature Block:</strong> Wet ink signature of the responsible product manager, dated. Printed name and position title on the line below.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Further Description: [http://www.antd.nist.gov/usgv6/testing.html](http://www.antd.nist.gov/usgv6/testing.html), and NIST SP 500-267 USGv6 Testing Program Users Guide available at the website.