### Suppliers Declaration of Conformity for USGv6 Products

**USGv6-v1 SDoc-v1.10  Page 1**


#### 2 Product Identifier:
- VNP Video Network Processor,
- TNP Telemetry Network Processor

#### 3 Supplier's Name, Address and SDOC Contact Details
IPtec, Inc.
5673 W. Las Positas Blvd.    Suite 207
Pleasanton, CA    94588
Bob Kovach
Sr. Program Manager
bkovach@iptec-inc.com
925.251.0070

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

**TNP-100 5.00r**

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

- VNP-100
- VNP-200
- VNP-400
- TNP-100
- TNP-200
- TNP-400

#### 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+SLAC+Link=Ethernet.

**USGv6-v1-Host: IPv6-Base+Addr-Arch+IPsec-v3+IKEv2+SLAC+Link = Ethernet**

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

- Yes

#### 8 Additional Declarations / Attachments: (List supplier & product-id/stack-id for referenced and attached test results in the case of composite products).

<table>
<thead>
<tr>
<th>Component Supplier</th>
<th>Product ID:</th>
<th>Stack ID:</th>
<th>Notes:</th>
</tr>
</thead>
<tbody>
<tr>
<td>[1]</td>
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<td>[4]</td>
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</tbody>
</table>

#### 9 Supplementary Attestations (Answer all).

<table>
<thead>
<tr>
<th>Yes</th>
<th>This product is fully functional in dual stack environments. That is, no claimed capabilities are invalid. This product is tested in a dual stack (IPv4 and IPv6) environment.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>This product is fully functional in IPv6 only environments. That is, no claimed capabilities are invalid. This product is deployed in a network environment that does not support IPv4.</td>
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<tr>
<td>Yes</td>
<td>This SDOC contains a capabilities test report for each unique IPv6 stack in the product. If not, the stacks/ports not covered are documented, and how their IPv6 capabilities differ from those reported are explained.</td>
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<tr>
<td>Yes</td>
<td>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.</td>
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#### 10 Signature

Print Name / Title: Bob Kovach, Sr. Program Manager, IPtec, Inc.

Date: 1-Mar-19

See instructions for fields 1-12 on Page 4.
<table>
<thead>
<tr>
<th>Spec / Reference</th>
<th>Product Id</th>
<th>Stack Id</th>
<th>Firmware 5.00r</th>
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</thead>
<tbody>
<tr>
<td>Product Id: VNP Video Network Processor, VNP Telemetry Network Processor</td>
<td>Test Lab / Result ID, Note #, or Component Ref</td>
<td>USGv6 Results Overview</td>
<td>USGv6-v1 SDOC-v1.10  Page 2</td>
</tr>
</tbody>
</table>

### IPv6 Basic Requirements
- Support of IPv6 base (IPv6/DMP/DMP/MPLS)
- Support of PMIPv6 (PMIPv6)
- Support of static address auto-configuration (SLAAC)
- Support of Dynamic DNS (DND)
- Support of DNS-Discovery (DNS-Dis)
- Support of TLV-Request (TLV-Req)
- Support of SLAAC privacy extensions
- Support of DSCP (DSCP)
- Support of stateful IP (SIP)
- Support of stateful DHCP (DHCP-Client)
- Support of neighboring discovery security extensions

### IP Security Requirements
- Support of IP security architecture
- Support of encrypted key management (IKEv2)
- Support of NTLM (NTLM)
- Support of NTLMv2 (NTLMv2)
- Support of transport mode (TM)
- Support of tunnel mode (TM)
- Support of tunneling IPv6 over IPv4 MPLS services
- Support of IPsecv3 (IPsecv3)
- Support of ESPv3 (ESPv3)
- Support of IKEv2 (IKEv2)
- Support of SAK (SAK)

### Transition Mechanism Requirements
- Support of transition mechanism (Transition)
- Support of fast handover (FastHandover)
- Support of IPv6-only systems (IPv6)
- Support of IPv6 over IPv4 MPLS services (IPv6MPLS)

### Network Management Requirements
- Support of network management services (SNMP)
- Support of network management protocols (IGMP)
- Support of network management (NetMgmt)
- Support of IPv6 management (IPv6Mgmt)

### Quality of Service Requirements
- Support of differentiated services (DiffServ)
- Support of IPv6 over IPv4 MPLS services (IPv6MPLS)
- Support of IPv6 over IPv4 MPLS services (IPv6MPLS)

### Network Protection Device Requirements
- Support of common NPD tests (NPD)
- Support of L2TPv3 (L2TPv3)
- Support of AHv3 (AHv3)
- Support of ESPv3 (ESPv3)
- Support of IPsecv3 (IPsecv3)
- Support of IPv6 over IPv4 MPLS services (IPv6MPLS)
- Support of IPv6 over IPv4 MPLS services (IPv6MPLS)

### Link Specific Technologies
- Support of link layer technology (Ethernet)
- Support of link layer technology (Ethernet)
- Support of link layer technology (Ethernet)

### Test Suite Interoperability
- Test Lab / Result ID, Note #, or Component Ref | USGv6 Results Overview | USGv6 Results Overview | USGv6 Results Overview |

### Test Lab / Result ID - Abbreviation of accredited laboratory and its local identifier for this test result

### Component Ref - Supplier / Product / Stack ID of distinctly tested component that provides this capability.
### Field 13

<table>
<thead>
<tr>
<th>Spec / Reference</th>
<th>Section</th>
<th>USGv6-v1 Profile Requirements</th>
<th>Context / Configuration Option</th>
<th>Supported Capabilities</th>
<th>Test Suite Conformance/NPD</th>
<th>Test Lab / Result ID, Note</th>
<th>Test Suite Interoperability</th>
<th>Test Lab / Result ID, Note</th>
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<tr>
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Discussion:

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Vendor's General Notes / Discussion about this Product / Stack's capabilities:

VNP IP Service Platform: Processing, encapsulation and transport of realtime video streams over IP-enabled infrastructure.

TNP, IP Service Platform: Processing, encapsulation and transport of realtime telemetry and ancillary streams over IP-enabled infrastructure.
<table>
<thead>
<tr>
<th>Field</th>
<th>Description and Instructions</th>
<th>Field</th>
<th>Description and Instructions</th>
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<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>Product Id/Stack Id: The identification line of this page includes space for Product Id and Stack Id labels. Product Id is the same as given on Page 1. As there may be more than one unique IPv6 stack implemented in the product, the Stack Id field identifies the particular stack described. One Results Summary page per stack is required.</td>
<td></td>
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<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>Host, Router and Network Protection (NPD) columns identify preferred options: cells in green represent the NIST recommendations. Cells in grey denote atypical options, very unlikely to be implemented. The procuring Agency may additionally tailor these fields to indicate requirements for this acquisition.</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>Test Suite Conformance and Interoperability columns identify capability sets for which a public test suite exists, and the versions applicable to USGv6-v1.0 test results. Major version v1 and all its minor versions are deemed acceptable. Over time, new versions will be added and older ones retired. There may be periods when more than one major version is acceptable concurrently.</td>
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<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>The supplier completes the adjacent Test Lab and Result Id column with the test lab acronym and unique result identifier (See Test Lab and Accreditor page on the Website). The buyer may opt to query results with the test laboratory using the specified Result Id(s). The supplier may opt to provide particular explanation of some results (partial results, additional options) in which case reference to note on an attached page 3. (e.g. &quot;See Note# N&quot;). See the USGv6 testing website to identify the test lab, and find contact details.</td>
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<tr>
<td>6</td>
<td><strong>USGv6 Capability Summary:</strong> The USGv6 stack implementation summary as identified by the 'v' 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>Cells marked Self Test have no associated public test suite. If implemented by the supplier, the required adjacent annotation is &quot;Self Declaration&quot;. Note that vendors declaring support for such a capability are declaring support for the associated specific requirements in the USGv6 Profile.</td>
<td></td>
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<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>Additional Options Tested: Vendor checks if it is desired to record tested options not part of the 'Musts' in the profile. Explanations on the page following the results summary.</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><strong>Headings and Special Notations:</strong> as described.</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>Options for Test Lab and Result Id: Currently 3 cases: (1) the test lab acronym and alphanumeric Id of the result set as assigned by the test laboratory; (2) 'Self declaration' denoting the supplier attests to adequate QA testing of the capability; (3) See attachment or note 'N', where the supplier explains variations in greater detail.</td>
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<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><strong>Stack-1 Notes Instructions:</strong> The supplier may choose to use the Notes (page 3) in order to clarify unsupported features or non passing results. Each Note # must reference the same Note # from Page 2. Complete the Note by including the Spec/Reference and Section (i.e. RFC or USGv6 Profile version), USGv6-v1 Profile Requirements, Config Option (i.e. IPv6-Base), choosing Host/Router/NPD, and Test Selection table version along with Test Lab Result Id. The Discussion includes details about the test result that will be disclosed to the buyer.</td>
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