### Suppliers Declaration of Conformity for USGv6 Products

#### USGv6-v1 SDOC-v1.10  Page 1

<table>
<thead>
<tr>
<th>Suppliers Declaration of Conformity: USGv6 Profile Version 1.0, July 2008. (NIST SP500-267)</th>
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<th>1</th>
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<table>
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<tr>
<th>2</th>
<th>Product Identifier:</th>
<th>Cisco Catalyst 4500E Supervisor Engine 9-E</th>
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<thead>
<tr>
<th>3</th>
<th>Supplier's Name, Address and SDOC Contact Details</th>
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Cisco Systems, Inc.  
170 West Tasman Dr.  
San Jose, CA 95134 USA  

<table>
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<th>4</th>
<th>Product as Tested/Declared: Product Identifier, version/revision information, details of configuration tested.</th>
<th>IOS-XE 3.10.1E(ED)</th>
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<th>Product Family (other products using same IPv6 stack(s) to which these results are declared to apply). Check Product Family attestation below.</th>
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Supervisor Engine 9-E;  
Cisco Catalyst 4500 E-Series (4503-E, 4506-E, 4507R+E, 4510R+E)  

<table>
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<tr>
<th>6</th>
<th>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.</th>
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USGv6-v1-Router: IPv6-Base+Addr-Arch+EGW+SLAAC+SNMP+Mcast+DS+Link = Ethernet  

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<th>Self Contained or Composite SDOC? (Must indicate one).</th>
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**YES**  
All of the declared USGv6 capabilities of this product are addressed by original test results reported in this SDOC.  

Yes  
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-id/stack-id).  

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<th>Additional Declarations / Attachments: (List supplier &amp; product-id/stack-id for referenced and attached test results in the case of composite products).</th>
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<th>9</th>
<th>Supplementary Attestations (Answer all).</th>
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**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 and IPv4) network 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 the product. If not, the stacks/ports not covered are documented, and how their 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.  

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<tr>
<th>10</th>
<th>Signature</th>
<th>Darryll Gadson</th>
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Print Name / Title  
Darryll Gadson, Lead USGv6 Cisco Systems Inc.  

Date  
2018-Oct-12  

See instructions for fields 1-12 on Page 4.
### Suppliers Declaration of Conformity for USGv6 Products: Declared Capabilities and Test Results Summary

**Product Id:** Cisco Catalyst 4500E Supervisor Engine 9-E  
**Stack Id:** IOS-XE 3.10.1E(ED)

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<tr>
<th>Spec / Reference</th>
<th>Section</th>
<th>USGv6-v1 Profile Requirements</th>
<th>Configuration Option</th>
<th>Host</th>
<th>Router</th>
<th>NPD</th>
<th>Component Ref</th>
<th>Test Suite</th>
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**Check Here if this stack’s DOC includes additional information about tested capabilities and options on an attached page 3 of notes.**

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**Level**  
Level of support for USGv6-v1 Requirements for capability.  
**Color**  
Indication of USGv6-v1 Recommended Level of Support for device type / stack role.  
**Bank - SDOC makes no declaration for this capability.**  
**P**  
Passed required tests of USGv6-v1 requirements for these capabilities.  
Indicates capability that is recommended as mandatory (unconditional MUST) in the USGv6-v1 Profile.  
**N**  
See notes page for details on the level of support of USGv6-v1 requirements for this capability.  
Indicates capability that is optional / conditional by the USGv6-v1 Profile.

---

**Test Suite** - Specific USGv6 Test suite used for test. See: [http://www.antd.net/usg6/usg6-test-specifications.html](http://www.antd.net/usg6/usg6-test-specifications.html)  
**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.
<table>
<thead>
<tr>
<th>Field</th>
<th>Spec / Reference</th>
<th>USGv6-v1 Profile Requirements</th>
<th>Context / Configuration Option</th>
<th>Supported Capabilities</th>
<th>Test Suite Conformance/NPD</th>
<th>Test Suite Interoperability</th>
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**Discussion:**

The device does fail to establish adjacency with OSPFv6 Encryption. We're addressing the issue with bug CSCvm81157 (Secure Socket Hangs at GOING UP with OSPFv3 Encryption).
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</tr>
<tr>
<td>2</td>
<td>Product Identifier: Supplier’s concise name for the product declared.</td>
</tr>
<tr>
<td>3</td>
<td>Suppliers Name, Address and Contact Details: Company name and point of contact for SDOC questions, street address, phone and email.</td>
</tr>
<tr>
<td>4</td>
<td>Product as Tested/Declared: 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>
</tr>
<tr>
<td>5</td>
<td>Product Family: 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>
</tr>
<tr>
<td>6</td>
<td>USGv6 Capability Summary: The USGv6 stack implementation summary as identified by the ‘r’ 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>
</tr>
<tr>
<td>7</td>
<td>Self Contained or Composite SDOC: 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>
</tr>
<tr>
<td>8</td>
<td>Additional Declarations / Attachments: List the supplier / product ID / Stack ID of any test results of composite components referenced by this SDOC.</td>
</tr>
<tr>
<td>9</td>
<td>Supplementary Attestations: 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>
</tr>
<tr>
<td>10</td>
<td>Signature Block: Wet ink signature of the responsible product manager, dated. Printed name and position title on the line below.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Field</th>
<th>Description and Instructions</th>
</tr>
</thead>
<tbody>
<tr>
<td>11</td>
<td>Summary of Results: 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>12</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>
</tr>
</tbody>
</table>

**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.