

KECS-NISS-0426b-2012

# WAPPLES v4.0

---

PENTA SECURITY SYSTEMS INC.

## Certificate Effectiveness Maintenance Report

Certification No : KECS-NISS-0426-2012

May 2013



IT Security Certification Center

## **1. TOE**

WAPPLES v4.0

## **2. Date of Application**

16 April 2013

## **3. Date of Activity**

31 May 2013

## **4. Overview**

The IT environment of the TOE is changed with 14 new hardware models. The change to the certified product has no effect on assurance.

Therefore, the assurance as outlined in the Certification Report KECS-NISS-0426-2012 is maintained for this version of the product.

This report is an addendum to Certification Report KECS-NISS-0426-2012.

## **5. Changes to TOE**

Hardware models for Detection Engine are changed by adding 14 new models(WAPPLES-50, WAPPLES-50 1D250N02, WAPPLES-5000, WAPPLES-5000 2H306N02, WAPPLES-1200, WAPPLES-1200 1Q320N02, WAPPLES-1200 1Q320N03, WAPPLES-1200 1Q320N04, WAPPLES-2200, WAPPLES-2200 1Q350N02, WAPPLES-2200 1Q350N03, WAPPLES-2200 1Q350N04, WAPPLES-2200 1Q350N05, WAPPLES-2200 1Q350N06). Updated TOE hardware models and their specification are as follows.

Non-TOE Components	Components	Description	
WAPPLES-50	CPU	Intel Celeron Dual Core 2.5 GHz	
	Memory	4 GB	
	HDD	160 GB	
	Network Interface	<ul style="list-style-type: none"> <li>▪ Mgmt port : 10/100/1000 BaseTX * 2</li> <li>▪ Service port : 10/100/1000 BaseTX * 4</li> </ul>	
WAPPLES-50 1D250N02	CPU	Intel Celeron Dual Core 2.5 GHz	
	Memory	4 GB	
	HDD	500 GB	
	Network Interface	<ul style="list-style-type: none"> <li>▪ Mgmt port : 10/100/1000 BaseTX * 2</li> <li>▪ Service port : 10/100/1000 BaseTX * 4</li> </ul>	
WAPPLES-1200	CPU	Intel Xeon Quad Core 3.20 GHz	
	Memory	8 GB	
	HDD	500 GB	
	N E T W O R K	Default	<ul style="list-style-type: none"> <li>▪ Mgmt. port : 10/100/1000 BaseTX * 2</li> <li>▪ Service port : 10/100/1000 BaseTX * 4</li> </ul>
		Expand	(Expansion 1 Slot) <ul style="list-style-type: none"> <li>▪ 10/100/1000 BaseTX * 4</li> <li>▪ 10/100/1000 BaseTX * 8</li> <li>▪ 1000 BaseSFP * 4</li> <li>▪ 1000 BaseSFP * 8</li> <li>▪ 1000 Base Optical * 2</li> <li>▪ 1000 Base Optical * 4</li> </ul>
		Max	<ul style="list-style-type: none"> <li>▪ Mgmt. port : 10/100/1000 BaseTX * 2</li> <li>▪ Service port :               <ul style="list-style-type: none"> <li>- 10/100/1000 BaseTX * 28</li> <li>OR</li> <li>- 10/100/1000 BaseTX * 4</li> <li>- 1000 BaseSFP * 24</li> <li>OR</li> <li>- 10/100/1000 BaseTX * 4</li> <li>- 1000 Base Optical * 12</li> </ul> </li> </ul>

Non-TOE Components	Components		Description
WAPPLES-1200 1Q320N02	CPU		Intel Xeon Quad Core 3.20 GHz
	Memory		8 GB
	HDD		1 TB
	N E T W O R K	Default	<ul style="list-style-type: none"> <li>▪ Mgmt. port : 10/100/1000 BaseTX * 2</li> <li>▪ Service port : 10/100/1000 BaseTX * 4</li> </ul>
		Expand	(Expansion 1 Slot) <ul style="list-style-type: none"> <li>▪ 10/100/1000 BaseTX * 4</li> <li>▪ 10/100/1000 BaseTX * 8</li> <li>▪ 1000 BaseSFP * 4</li> <li>▪ 1000 BaseSFP * 8</li> <li>▪ 1000 Base Optical * 2</li> <li>▪ 1000 Base Optical * 4</li> </ul>
	Max	<ul style="list-style-type: none"> <li>▪ Mgmt. port : 10/100/1000 BaseTX * 2</li> <li>▪ Service port :               <ul style="list-style-type: none"> <li>- 10/100/1000 BaseTX * 28</li> <li>OR</li> <li>- 10/100/1000 BaseTX * 4</li> <li>- 1000 BaseSFP * 24</li> <li>OR</li> <li>- 10/100/1000 BaseTX * 4</li> <li>- 1000 Base Optical * 12</li> </ul> </li> </ul>	
WAPPLES-1200 1Q320N03	CPU		Intel Xeon Quad Core 3.20 GHz
	Memory		8 GB
	HDD		500 GB
	N E T W O R K	Default	<ul style="list-style-type: none"> <li>▪ Mgmt. port : 10/100/1000 BaseTX * 2</li> <li>▪ Service port : 1000 Base Optical * 2</li> </ul>
		Expand	(Expansion 1 Slot) <ul style="list-style-type: none"> <li>▪ 10/100/1000 BaseTX * 4</li> <li>▪ 1000 BaseSFP * 4</li> <li>▪ 1000 Base Optical * 2</li> <li>▪ 1000 Base Optical * 4</li> </ul>
	Max	<ul style="list-style-type: none"> <li>▪ Mgmt. port : 10/100/1000 BaseTX * 2</li> <li>▪ Service port :               <ul style="list-style-type: none"> <li>- 1000 Base Optical * 2</li> </ul> </li> </ul>	

Non-TOE Components	Components		Description
			- 10/100/1000 BaseTX * 12 OR - 1000 Base Optical * 2 - 1000 BaseSFP * 12 OR - 1000 Base Optical * 14
WAPPLES-1200 1Q320N04	CPU		Intel Xeon Quad Core 3.20 GHz
	Memory		8 GB
	HDD		1 TB
	N E T W O R K	Default	<ul style="list-style-type: none"> <li>▪ Mgmt. port : 10/100/1000 BaseTX * 2</li> <li>▪ Service port : 1000 Base Optical * 2</li> </ul>
		Expand	(Expansion 1 Slot) <ul style="list-style-type: none"> <li>▪ 10/100/1000 BaseTX * 4</li> <li>▪ 1000 BaseSFP * 4</li> <li>▪ 1000 Base Optical * 2</li> <li>▪ 1000 Base Optical * 4</li> </ul>
Max		<ul style="list-style-type: none"> <li>▪ Mgmt. port : 10/100/1000 BaseTX * 2</li> <li>▪ Service port :                - 1000 Base Optical * 2                - 10/100/1000 BaseTX * 12                OR                - 1000 Base Optical * 2                - 1000 BaseSFP * 12                OR                - 1000 Base Optical * 14             </li> </ul>	
WAPPLES-2200	CPU		Intel Xeon Quad Core 3.50 GHz
	Memory		16 GB
	HDD		500 GB
	N	Default	<ul style="list-style-type: none"> <li>▪ Mgmt. port : 10/100/1000 BaseTX * 2</li> <li>▪ Service port : 10/100/1000 BaseTX * 4</li> </ul>

Non-TOE Components	Components		Description	
	E T W O R K	Expand	(Expansion 3 Slot) <ul style="list-style-type: none"> <li>▪ 10/100/1000 BaseTX * 8</li> <li>▪ 1000 BaseSFP * 4</li> <li>▪ 1000 BaseSFP * 8</li> <li>▪ 1000 Base Optical * 2</li> <li>▪ 1000 Base Optical * 4</li> <li>▪ 10000 Base Optical * 2</li> </ul>	
		Max	<ul style="list-style-type: none"> <li>▪ Mgmt port : 10/100/1000 BaseTX * 2</li> <li>▪ Service port :               <ul style="list-style-type: none"> <li>- 10/100/1000 BaseTX * 28</li> </ul>               OR               <ul style="list-style-type: none"> <li>- 10/100/1000 BaseTX * 4</li> <li>- 1000 BaseSFP * 24</li> </ul>               OR               <ul style="list-style-type: none"> <li>- 10/100/1000 BaseTX * 4</li> <li>- 1000 BaseSFP * 12</li> </ul>               OR               <ul style="list-style-type: none"> <li>- 10/100/1000 BaseTX * 4</li> <li>- 10000 Base Optical * 6</li> </ul> </li> </ul>	
WAPPLES-2200 1Q350N02	CPU		Intel Xeon Quad Core 3.50 GHz	
		Memory		16 GB
			HDD	
	N E T W O R K	Default		<ul style="list-style-type: none"> <li>▪ Mgmt. port : 10/100/1000 BaseTX * 2</li> <li>▪ Service port : 10/100/1000 BaseTX * 4</li> </ul>
Expand		(Expansion 3 Slot) <ul style="list-style-type: none"> <li>▪ 10/100/1000 BaseTX * 8</li> <li>▪ 1000 BaseSFP * 4</li> <li>▪ 1000 BaseSFP * 8</li> <li>▪ 1000 Base Optical * 2</li> <li>▪ 1000 Base Optical * 4</li> <li>▪ 10000 Base Optical * 2</li> </ul>		
	Max	<ul style="list-style-type: none"> <li>▪ Mgmt port : 10/100/1000 BaseTX * 2</li> <li>▪ Service port :               <ul style="list-style-type: none"> <li>- 10/100/1000 BaseTX * 28</li> </ul>               OR               <ul style="list-style-type: none"> <li>- 10/100/1000 BaseTX * 4</li> <li>- 1000 BaseSFP * 24</li> </ul> </li> </ul>		

Non-TOE Components	Components		Description
			OR - 10/100/1000 BaseTX * 4 - 1000 BaseSFP * 12 OR - 10/100/1000 BaseTX * 4 - 10000 Base Optical * 6
WAPPLES-2200 1Q350N03	CPU		Intel Xeon Quad Core 3.50 GHz
	Memory		16 GB
	HDD		500 GB
	N E T W O R K	Default	<ul style="list-style-type: none"> <li>▪ Mgmt. port : 10/100/1000 BaseTX * 2</li> <li>▪ Service port : 1000 Base Optical * 2</li> </ul>
Expand		(Expansion 3 Slot) <ul style="list-style-type: none"> <li>▪ 10/100/1000 BaseTX * 4</li> <li>▪ 1000 BaseSFP * 4</li> <li>▪ 1000 Base Optical * 2</li> <li>▪ 10000 Base Optical * 2</li> </ul>	
Max		<ul style="list-style-type: none"> <li>▪ Mgmt. port : 10/100/1000 BaseTX * 2</li> <li>▪ Service port :                - 1000 Base Optical * 2                - 10/100/1000 BaseTX * 12                OR                - 1000 Base Optical * 2                - 1000 BaseSFP * 12                OR                - 1000 Base Optical * 8                OR                - 1000 Base Optical * 2                - 10000 Base Optical * 6             </li> </ul>	
WAPPLES-2200 1Q350N04	CPU		Intel Xeon Quad Core 3.50 GHz
	Memory		16 GB
	HDD		1 TB
	N	Default	<ul style="list-style-type: none"> <li>▪ Mgmt. port : 10/100/1000 BaseTX * 2</li> <li>▪ Service port : 1000 Base Optical * 2</li> </ul>

Non-TOE Components	Components		Description
	E T W O R K	Expand	(Expansion 3 Slot) <ul style="list-style-type: none"> <li>▪ 10/100/1000 BaseTX * 4</li> <li>▪ 1000 BaseSFP * 4</li> <li>▪ 1000 Base Optical * 2</li> <li>▪ 10000 Base Optical * 2</li> </ul>
Max		<ul style="list-style-type: none"> <li>▪ Mgmt. port : 10/100/1000 BaseTX * 2</li> <li>▪ Service port : <ul style="list-style-type: none"> <li>- 1000 Base Optical * 2</li> <li>- 10/100/1000 BaseTX * 12</li> </ul> </li> <li>OR</li> <li>- 1000 Base Optical * 2</li> <li>- 1000 BaseSFP * 12</li> <li>OR</li> <li>- 1000 Base Optical * 8</li> <li>OR</li> <li>- 1000 Base Optical * 2</li> <li>- 10000 Base Optical * 6</li> </ul>	
WAPPLES-2200 1Q350N05	CPU		Intel Xeon Quad Core 3.50 GHz
	Memory		16 GB
	HDD		500 GB
	N E T W O R K	Default	<ul style="list-style-type: none"> <li>▪ Mgmt. port : 10/100/1000 BaseTX * 2</li> <li>▪ Service port : 10000 Base Optical * 2</li> </ul>
		Expand	(Expansion 3 Slot) <ul style="list-style-type: none"> <li>▪ 10/100/1000 BaseTX * 4</li> <li>▪ 10/100/1000 BaseTX * 8</li> <li>▪ 1000 BaseSFP * 4</li> <li>▪ 1000 BaseSFP * 8</li> <li>▪ 10000 BaseSFP * 2</li> <li>▪ 1000 Base Optical * 2</li> <li>▪ 10000 Base Optical * 2</li> </ul>
Max	<ul style="list-style-type: none"> <li>▪ Mgmt. port : 10/100/1000 BaseTX * 2</li> <li>▪ Service port : <ul style="list-style-type: none"> <li>- 10000 Base Optical * 2</li> <li>- 10/100/1000 BaseTX * 24</li> </ul> </li> <li>OR</li> <li>- 10000 Base Optical * 2</li> <li>- 1000 BaseSFP * 24</li> </ul>		



Non-TOE Components	Components		Description
			OR - 10000 Base Optical * 2 - 10000 BaseSFP * 6 OR - 10000 Base Optical * 2 - 1000 Base Optical * 6 OR - 10000 Base Optical * 8
WAPPLES-2200 1Q350N06	CPU		Intel Xeon Quad Core 3.50 GHz
	Memory		16 GB
	HDD		1 TB
	N E T W O R K	Default	<ul style="list-style-type: none"> <li>▪ Mgmt. port : 10/100/1000 BaseTX * 2</li> <li>▪ Service port : 10000 Base Optical * 2</li> </ul>
		Expand	(Expansion 3 Slot) <ul style="list-style-type: none"> <li>▪ 10/100/1000 BaseTX * 4</li> <li>▪ 10/100/1000 BaseTX * 8</li> <li>▪ 1000 BaseSFP * 4</li> <li>▪ 1000 BaseSFP * 8</li> <li>▪ 10000 BaseSFP * 2</li> <li>▪ 1000 Base Optical * 2</li> <li>▪ 10000 Base Optical * 2</li> </ul>
	Max	<ul style="list-style-type: none"> <li>▪ Mgmt. port : 10/100/1000 BaseTX * 2</li> <li>▪ Service port :               <ul style="list-style-type: none"> <li>- 10000 Base Optical * 2</li> <li>- 10/100/1000 BaseTX * 24</li> </ul> </li> <li>OR</li> <li>- 10000 Base Optical * 2</li> <li>- 1000 BaseSFP * 24</li> <li>OR</li> <li>- 10000 Base Optical * 2</li> <li>- 10000 BaseSFP * 6</li> <li>OR</li> <li>- 10000 Base Optical * 2</li> <li>- 1000 Base Optical * 6</li> <li>OR</li> <li>- 10000 Base Optical * 8</li> </ul>	

Non-TOE Components	Components		Description
WAPPLES-5000	CPU		Intel Westmere hexa core 3.06 GHz * 2
	Memory		24 GB
	HDD		1 TB
	N E T W O R K	Default	<ul style="list-style-type: none"> <li>▪ Mgmt. port : 10/100/1000 BaseTX * 2</li> <li>▪ Service port : <ul style="list-style-type: none"> <li>- 10/100/1000 BaseTX * 8</li> <li>- 1000 BaseSFP * 4</li> <li>- 1000 Base Optical * 2</li> </ul> </li> </ul>
		Expand	(Expansion 1 Slot) <ul style="list-style-type: none"> <li>▪ 1000 Base Optical * 4</li> <li>▪ 10000 Base Optical * 4</li> </ul> (If use expand, Cannot use '1000 Base Optical * 2' of Default.)
	Max	<ul style="list-style-type: none"> <li>▪ Mgmt. port : 10/100/1000 BaseTX * 2</li> </ul>	
<ul style="list-style-type: none"> <li>▪ Service port : <ul style="list-style-type: none"> <li>- 10/100/1000 BaseTX * 8</li> <li>- 1000 BaseSFP * 4</li> <li>- 1000 Base Optical * 4</li> </ul> </li> </ul> OR <ul style="list-style-type: none"> <li>- 10/100/1000 BaseTX * 8</li> <li>- 1000 BaseSFP * 4</li> <li>- 10000 Base Optical * 4</li> </ul>			
WAPPLES-5000 2H306N02	CPU		Intel Westmere hexa core 3.06 GHz * 2
	Memory		32 GB
	HDD		2 TB
	N E T W O R K	Default	<ul style="list-style-type: none"> <li>▪ Mgmt. port : 10/100/1000 BaseTX * 2</li> <li>▪ Service port : <ul style="list-style-type: none"> <li>- 10/100/1000 BaseTX * 8</li> <li>- 1000 BaseSFP * 4</li> <li>- 1000 Base Optical * 2</li> </ul> </li> </ul>
		Expand	(Expansion 1 Slot) <ul style="list-style-type: none"> <li>▪ 1000 Base Optical * 4</li> <li>▪ 10000 Base Optical * 4</li> </ul> (If use expand, Cannot use '1000 Base Optical *

Non-TOE Components	Components		Description
	K	Max	2' of Default.) ▪ Mgmt. port : 10/100/1000 BaseTX * 2 ▪ Service port : - 10/100/1000 BaseTX * 8 - 1000 BaseSFP * 4 - 1000 Base Optical * 4 OR - 10/100/1000 BaseTX * 8 - 1000 BaseSFP * 4 - 10000 Base Optical * 4

[Table 1] Specifications of Detection Engine Hardware Models

## 6. Assessment

The vendor for WAPPLES v4.0 submitted IAR [2] to IT Security Certification Center for approval. The IAR is intended to satisfy the requirements outlined in the document Assurance Continuity [1]. The IAR includes the following items;

- A. The changes made to the certified TOE
- B. The evidence updated as a result of the changes and,
- C. The security impact of the changes

The vendor changed only two abbreviation terms. The security target[3] is correctly updated.

## 7. Conclusion

The change to the TOE is to hardware models. Consideration of the nature of the change leads to the conclusion that it is classified as a minor change and that certificate maintenance is the correct path to continuity of assurance.

Therefore, IT Security Certification Center agrees that the assurance as outlined in the Certification Report [4] is maintained for this version of the product.

## **8. References**

- [1] Common Criteria document CCIMB-2004-02-2009 “Assurance Continuity: CCRA Requirements”, version 2.1, June 2012
- [2] Security Impact Analysis Report, “WAPPLES v4.0 Security Impact Analysis Report ”, V5.0, May 21, 2013
- [3] WAPPLES v4.0 Security Target v6.0, April 5, 2013
- [4] Certification Report, “WAPPLES v4.0 Certification Report(KECS-NISS-0426-2012)”, November 2012