

WAPPLES v4.0

PENTA SECURITY SYSTEMS INC.

Certificate Effectiveness Maintenance Report

Certification No : KECS-NISS-0426-2012

July 2014



IT Security Certification Center

1. TOE

WAPPLES v4.0

2. Date of Application

10 December 2013

3. Date of Activity

15 July 2014

4. Overview

The IT environment of the TOE is changed with 11 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

WAPPLES V-services product is added and its Detection Engine is provided to consumer in the form of installation package, and installed and operated in virtual environment by consumer.

Category	Description	Distribution Form
WAPPLES v4.0.5	Detection Engine 4.0.2	<ul style="list-style-type: none">• WAPPLES Appliance: Installed on a dedicated hardware and provided to consumer.• WAPPLES V-series: Provided to consumer in the form of installation package and installed and operated in virtual environment by consumer.

	Management Console 4.0.3	<ul style="list-style-type: none"> Management Console installation file is included in the Detection Engine. Consumer download and install it, operate the Management Console on their PC. The distribution type of Management Console is the same regardless of the product type that the consumer chooses.
User Guidance	WAPPLES v4.0 Operation and Installation Guidance v7.0	Booklet

[Table 1] Physical Scope of the TOE

Hardware models for Detection Engine are changed by adding 11 new models(WAPPLES-50 1D250N03, WAPPLES-100, WAPPLES-500 1D360N02, WAPPLES-10000, WAPPLES-10000 2T280N02, WAPPLES-1200 1Q320N05, WAPPLES-1200 1Q320N06, WAPPLES-2200 1Q350N07, WAPPLES-2200 1Q350N08, WAPPLES-5200, WAPPLES-5200 2T220N02)

Updated TOE hardware models for Detection Engine in WAPPLES Appliance and their specification are as follows.

Hardware Model		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"> Mgmt port : 10/100/1000 BaseTX * 2 Service port : 10/100/1000 BaseTX * 4
WAPPLES-50 1D250N02	CPU	Intel Celeron Dual Core 2.5 GHz
	Memory	4 GB

Hardware Model		Description	
	HDD	500 GB	
	Network Interface	<ul style="list-style-type: none"> ▪ Mgmt port : 10/100/1000 BaseTX * 2 ▪ Service port : 10/100/1000 BaseTX * 4 	
WAPPLES-50 1D250N03	CPU	Intel® Core™ i3-4130 3.40 GHz	
	Memory	4 GB	
	HDD	500 GB	
	Network Interface	<ul style="list-style-type: none"> ▪ Mgmt port : 10/100/1000 BaseTX * 2 ▪ Service port : 10/100/1000 BaseTX * 4 	
WAPPLES-100	CPU	Intel® Core™ i3-4330 3.50 GHz	
	Memory	4 GB	
	HDD	500 GB	
	N E T W O R K	Default	<ul style="list-style-type: none"> ▪ Mgmt port : 10/100/1000 BaseTX * 2 ▪ Service port : 10/100/1000 BaseTX * 4
		Expand	(Expansion 1 Slot) <ul style="list-style-type: none"> ▪ 10/100/1000 BaseTX * 4
	Max	<ul style="list-style-type: none"> ▪ Mgmt port : 10/100/1000 BaseTX * 2 ▪ Service port : - 10/100/1000 BaseTX * 8 	
WAPPLES-100 eco	CPU	Intel Core2 Quad 2.66 GHz	
	Memory	4 GB	
	HDD	500 GB	

Hardware Model		Description	
	Network Interface	<ul style="list-style-type: none"> ▪ Mgmt port : 10/100/1000 BaseTX * 2 ▪ Service port : 10/100/1000 BaseTX * 8 	
WAPPLES-100 eco 1Q266N02	CPU	Intel Core2 Quad 2.66 GHz	
	Memory	4 GB	
	HDD	1 TB	
	Network Interface	<ul style="list-style-type: none"> ▪ Mgmt port : 10/100/1000 BaseTX * 2 ▪ Service port : 10/100/1000 BaseTX * 8 	
WAPPLES-500	CPU	Intel Xeon Quad Core 2.66 GHz	
	Memory	8 GB	
	HDD	1 TB	
	Network Interface	<ul style="list-style-type: none"> ▪ Mgmt port : 10/100/1000 BaseTX * 2 ▪ Service port : <ul style="list-style-type: none"> - 10/100/1000 BaseTX * 2 - 1000 Base Optical * 2 	
WAPPLES-500 1D360N02	CPU	Intel® Core™ i3-4340 3.60 GHz	
	Memory	8 GB	
	HDD	500 GB	
	N E T W O R K	Default	<ul style="list-style-type: none"> ▪ Mgmt port : 10/100/1000 BaseTX * 2 ▪ Service port : 10/100/1000 BaseTX * 4
		Expand	(Expansion 1 Slot) 10/100/1000 BaseTX * 4 <ul style="list-style-type: none"> ▪ 1000 Base Optical * 2 ▪ 1000 Base Optical * 4
		Max	<ul style="list-style-type: none"> ▪ Mgmt port : 10/100/1000 BaseTX * 2 ▪ Service port : <ul style="list-style-type: none"> - 10/100/1000 BaseTX * 8 OR - 10/100/1000 BaseTX * 4

Hardware Model		Description	
		- 1000 Base Optical * 2 OR - 10/100/1000 BaseTX * 4 - 1000 Base Optical * 4	
WAPPLES-1000 Type2	CPU	Intel Xeon Quad Core 2.33 GHz * 2	
	Memory	8 GB	
	HDD	500 GB	
	N E T W O R K	Default	<ul style="list-style-type: none"> ▪ Mgmt port : 10/100/1000 BaseTX * 2 ▪ Service port : <ul style="list-style-type: none"> - 10/100/1000 BaseTX * 8 - 1000 BaseSFP * 2
		Expand	(Expansion 1 Slot) <ul style="list-style-type: none"> ▪ 1000 Base Optical * 2
Max	<ul style="list-style-type: none"> ▪ Mgmt port : 2 x 10/100/1000 Base-T RJ45 ports ▪ Service port : <ul style="list-style-type: none"> - 10/100/1000 BaseTX * 8 - 1000 BaseSFP * 2 - 1000 Base Optical * 2 		
WAPPLES-1000 Type2 Plus	CPU	Intel Xeon Quad Core 2.50 GHz * 2	
	Memory	8 GB	
	HDD	500 GB	
	N E T W O R K	Default	<ul style="list-style-type: none"> ▪ Mgmt port : 10/100/1000 BaseTX * 2 ▪ Service port : <ul style="list-style-type: none"> - 10/100/1000 BaseTX * 8 - 1000 BaseSFP * 2
		Expand	(Expansion 1 Slot) <ul style="list-style-type: none"> ▪ 1000 Base Optical * 2
Max	<ul style="list-style-type: none"> ▪ Mgmt port : 10/100/1000 BaseTX * 2 ▪ Service port : <ul style="list-style-type: none"> - 10/100/1000 BaseTX * 8 - 1000 BaseSFP * 2 - 1000 Base Optical * 2 		
WAPPLES-1000	CPU	Intel Xeon Quad Core 2.50 GHz * 2	

Hardware Model		Description		
Type2 Plus 2Q250N02	Memory	8 GB		
	HDD	1 TB		
	Network Interface	<ul style="list-style-type: none"> ▪ Mgmt. port : 10/100/1000 BaseTX * 2 ▪ Service port : <ul style="list-style-type: none"> - 10/100/1000 BaseTX * 8 - 1000 BaseSFP * 4 - 1000 Base Optical * 4 		
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"> ▪ Mgmt. port : 10/100/1000 BaseTX * 2 ▪ Service port : 10/100/1000 BaseTX * 4 	
		Expand	(Expansion 3 Slot) <ul style="list-style-type: none"> ▪ 10/100/1000 BaseTX * 4 ▪ 10/100/1000 BaseTX * 8 ▪ 1000 BaseSFP * 4 ▪ 1000 BaseSFP * 8 ▪ 1000 Base Optical * 2 ▪ 1000 Base Optical * 4 	
Max		<ul style="list-style-type: none"> ▪ Mgmt. port : 10/100/1000 BaseTX * 2 ▪ Service port : <ul style="list-style-type: none"> - 10/100/1000 BaseTX * 28 OR - 10/100/1000 BaseTX * 4 - 1000 BaseSFP * 24 OR - 10/100/1000 BaseTX * 4 - 1000 Base Optical * 12 		
WAPPLES-1200 1Q320N02	CPU	Intel Xeon Quad Core 3.20 GHz		
	Memory	8 GB		
	HDD	1 TB		
	N	Default	<ul style="list-style-type: none"> ▪ Mgmt. port : 10/100/1000 BaseTX * 2 ▪ Service port : 10/100/1000 BaseTX * 4 	

Hardware Model		Description
E T W O R K	Expand	(Expansion 3 Slot) <ul style="list-style-type: none"> ▪ 10/100/1000 BaseTX * 4 ▪ 10/100/1000 BaseTX * 8 ▪ 1000 BaseSFP * 4 ▪ 1000 BaseSFP * 8 ▪ 1000 Base Optical * 2 ▪ 1000 Base Optical * 4
	Max	<ul style="list-style-type: none"> ▪ Mgmt. port : 10/100/1000 BaseTX * 2 ▪ Service port : <ul style="list-style-type: none"> - 10/100/1000 BaseTX * 28 OR <ul style="list-style-type: none"> - 10/100/1000 BaseTX * 4 - 1000 BaseSFP * 24 OR <ul style="list-style-type: none"> - 10/100/1000 BaseTX * 4 - 1000 Base Optical * 12
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
Expand		(Expansion 3 Slot) <ul style="list-style-type: none"> ▪ 10/100/1000 BaseTX * 4 ▪ 1000 BaseSFP * 4 ▪ 1000 Base Optical * 2 ▪ 1000 Base Optical * 4
O R K	Max	<ul style="list-style-type: none"> ▪ Mgmt. port : 10/100/1000 BaseTX * 2 ▪ Service port : <ul style="list-style-type: none"> - 1000 Base Optical * 2 - 10/100/1000 BaseTX * 12 OR <ul style="list-style-type: none"> - 1000 Base Optical * 2 - 1000 BaseSFP * 12 OR <ul style="list-style-type: none"> - 1000 Base Optical * 14
	CPU	Intel Xeon Quad Core 3.20 GHz

Hardware Model		Description	
1Q320N04	Memory	8 GB	
	HDD	1 TB	
	N E T W O R K	Default	<ul style="list-style-type: none"> ▪ Mgmt. port : 10/100/1000 BaseTX * 2 ▪ Service port : 1000 Base Optical * 2
		Expand	(Expansion 3 Slot) <ul style="list-style-type: none"> ▪ 10/100/1000 BaseTX * 4 ▪ 1000 BaseSFP * 4 ▪ 1000 Base Optical * 2 ▪ 1000 Base Optical * 4
		Max	<ul style="list-style-type: none"> ▪ Mgmt. port : 10/100/1000 BaseTX * 2 ▪ Service port : - 1000 Base Optical * 2 - 10/100/1000 BaseTX * 12 OR - 1000 Base Optical * 2 - 1000 BaseSFP * 12 OR - 1000 Base Optical * 14
WAPPLES-1200 1Q320N05	CPU	Intel Xeon Quad Core 3.40 GHz	
	Memory	8 GB	
	HDD	500 GB	
	SSD	128 GB	
N E T W O R K	Default	<ul style="list-style-type: none"> ▪ Mgmt. port : 10/100/1000 BaseTX * 2 ▪ Service port : 1000 Base Optical * 2 	
	Expand	(Expansion 3 Slot) <ul style="list-style-type: none"> ▪ 10/100/1000 BaseTX * 4 ▪ 10/100/1000 BaseTX * 8 ▪ 1000 BaseSFP * 4 ▪ 1000 BaseSFP * 8 ▪ 1000 Base Optical * 2 ▪ 1000 Base Optical * 4 	
	Max	<ul style="list-style-type: none"> ▪ Mgmt. port : 10/100/1000 BaseTX * 2 ▪ Service port : - 1000 Base Optical * 2 	

Hardware Model		Description	
		<ul style="list-style-type: none"> - 10/100/1000 BaseTX * 24 OR - 1000 Base Optical * 2 - 1000 BaseSFP * 24 OR - 1000 Base Optical * 14 	
WAPPLES-1200 1Q320N06	CPU	Intel Xeon Quad Core 3.40 GHz	
	Memory	8 GB	
	HDD	1 TB	
	SSD	128 GB	
	N E T W O R K	Default	<ul style="list-style-type: none"> ▪ Mgmt. port : 10/100/1000 BaseTX * 2 ▪ Service port : 1000 Base Optical * 2
		Expand	(Expansion 3 Slot) <ul style="list-style-type: none"> ▪ 10/100/1000 BaseTX * 4 ▪ 10/100/1000 BaseTX * 8 ▪ 1000 BaseSFP * 4 ▪ 1000 BaseSFP * 8 ▪ 1000 Base Optical * 2 ▪ 1000 Base Optical * 4
Max		<ul style="list-style-type: none"> ▪ Mgmt. port : 10/100/1000 BaseTX * 2 ▪ Service port : - 1000 Base Optical * 2 - 10/100/1000 BaseTX * 24 OR - 1000 Base Optical * 2 - 1000 BaseSFP * 24 OR - 1000 Base Optical * 14 	
WAPPLES-2000	CPU	Intel Xeon Quad Core 2.66 GHz * 2	
	Memory	16 GB	
	HDD	500 GB	
	Network	<ul style="list-style-type: none"> ▪ Mgmt. port : 10/100/1000 BaseTX * 2 ▪ Service port : - 10/100/1000 BaseTX * 8 	

Hardware Model		Description	
	Interface	- 1000 BaseSFP * 4 - 1000 Base Optical * 2	
WAPPLES-2000 2Q266N02	CPU	Intel Xeon Quad Core 2.66 GHz * 2	
	Memory	16 GB	
	HDD	1 TB	
	Network Interface	<ul style="list-style-type: none"> ▪ Mgmt. port : 10/100/1000 BaseTX * 2 ▪ Service port : <ul style="list-style-type: none"> - 10/100/1000 BaseTX * 8 - 1000 BaseSFP * 4 - 1000 Base Optical * 4 	
WAPPLES-2200	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"> ▪ Mgmt. port : 10/100/1000 BaseTX * 2 ▪ Service port : 10/100/1000 BaseTX * 4
		Expand	(Expansion 3 Slot) <ul style="list-style-type: none"> ▪ 10/100/1000 BaseTX * 8 ▪ 1000 BaseSFP * 4 ▪ 1000 BaseSFP * 8 ▪ 1000 Base Optical * 2 ▪ 1000 Base Optical * 4 ▪ 10000 Base Optical * 2
	Max	<ul style="list-style-type: none"> ▪ Mgmt port : 10/100/1000 BaseTX * 2 ▪ Service port : <ul style="list-style-type: none"> - 10/100/1000 BaseTX * 28 OR <ul style="list-style-type: none"> - 10/100/1000 BaseTX * 4 - 1000 BaseSFP * 24 OR <ul style="list-style-type: none"> - 10/100/1000 BaseTX * 4 - 1000 Base Optical * 12 OR <ul style="list-style-type: none"> - 10/100/1000 BaseTX * 4 - 10000 Base Optical * 6 	

Hardware Model		Description	
WAPPLES-2200 1Q350N02	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"> ▪ Mgmt. port : 10/100/1000 BaseTX * 2 ▪ Service port : 10/100/1000 BaseTX * 4
		Expand	(Expansion 3 Slot) <ul style="list-style-type: none"> ▪ 10/100/1000 BaseTX * 8 ▪ 1000 BaseSFP * 4 ▪ 1000 BaseSFP * 8 ▪ 1000 Base Optical * 2 ▪ 1000 Base Optical * 4 ▪ 10000 Base Optical * 2
		Max	<ul style="list-style-type: none"> ▪ Mgmt port : 10/100/1000 BaseTX * 2 Service port : <ul style="list-style-type: none"> - 10/100/1000 BaseTX * 28 OR <ul style="list-style-type: none"> - 10/100/1000 BaseTX * 4 - 1000 BaseSFP * 24 OR <ul style="list-style-type: none"> - 10/100/1000 BaseTX * 4 - 1000 Base Optical * 12 OR <ul style="list-style-type: none"> - 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	Default	<ul style="list-style-type: none"> ▪ Mgmt. port : 10/100/1000 BaseTX * 2 ▪ Service port : 1000 Base Optical * 2
		Expand	(Expansion 3 Slot) <ul style="list-style-type: none"> ▪ 10/100/1000 BaseTX * 4 ▪ 1000 BaseSFP * 4 ▪ 1000 Base Optical * 2 ▪ 10000 Base Optical * 2

Hardware Model		Description	
	R	<ul style="list-style-type: none"> ▪ Mgmt. port : 10/100/1000 BaseTX * 2 	
	K		
	Max	<ul style="list-style-type: none"> ▪ 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 	
WAPPLES-2200 1Q350N04	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"> ▪ Mgmt. port : 10/100/1000 BaseTX * 2 ▪ Service port : 1000 Base Optical * 2
Expand		(Expansion 3 Slot) <ul style="list-style-type: none"> ▪ 10/100/1000 BaseTX * 4 ▪ 1000 BaseSFP * 4 ▪ 1000 Base Optical * 2 ▪ 10000 Base Optical * 2 	
W O R K	Max	<ul style="list-style-type: none"> ▪ Mgmt. port : 10/100/1000 BaseTX * 2 	
		<ul style="list-style-type: none"> ▪ 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 	
WAPPLES-2200 1Q350N05	CPU		Intel Xeon Quad Core 3.50 GHz
	Memory		16 GB

Hardware Model		Description	
N E T W O R K	HDD	500 GB	
	Default	<ul style="list-style-type: none"> ▪ Mgmt. port : 10/100/1000 BaseTX * 2 ▪ Service port : 10000 Base Optical * 2 	
		Expand	(Expansion 3 Slot) <ul style="list-style-type: none"> ▪ 10/100/1000 BaseTX * 4 ▪ 10/100/1000 BaseTX * 8 ▪ 1000 BaseSFP * 4 ▪ 1000 BaseSFP * 8 ▪ 10000 BaseSFP * 2 ▪ 1000 Base Optical * 2 ▪ 10000 Base Optical * 2
			Max
WAPPLES-2200 1Q350N06	CPU	Intel Xeon Quad Core 3.50 GHz	
	Memory	16 GB	
	HDD	1 TB	
N E T W O	Default	<ul style="list-style-type: none"> ▪ Mgmt. port : 10/100/1000 BaseTX * 2 ▪ Service port : 10000 Base Optical * 2 	
		Expand	(Expansion 3 Slot) <ul style="list-style-type: none"> ▪ 10/100/1000 BaseTX * 4 ▪ 10/100/1000 BaseTX * 8 ▪ 1000 BaseSFP * 4 ▪ 1000 BaseSFP * 8

Hardware Model		Description
	R K	<ul style="list-style-type: none"> ▪ 10000 BaseSFP * 2 ▪ 1000 Base Optical * 2 ▪ 10000 Base Optical * 2
	Max	<ul style="list-style-type: none"> ▪ Mgmt. port : 10/100/1000 BaseTX * 2 ▪ Service port : <ul style="list-style-type: none"> - 10000 Base Optical * 2 - 10/100/1000 BaseTX * 24 OR - 10000 Base Optical * 2 - 1000 BaseSFP * 24 OR - 10000 Base Optical * 2 - 10000 BaseSFP * 6 OR - 10000 Base Optical * 2 - 1000 Base Optical * 6 OR - 10000 Base Optical * 8
WAPPLES-2200 1Q350N07	CPU	Intel Xeon Quad Core 3.50 GHz
	Memory	16 GB
	HDD	500 GB
	SSD	128 GB
	N E T W O R K	Default
Expand		(Expansion 3 Slot) <ul style="list-style-type: none"> ▪ 10/100/1000 BaseTX * 4 ▪ 10/100/1000 BaseTX * 8 ▪ 1000 BaseSFP * 4 ▪ 1000 BaseSFP * 8 ▪ 10000 BaseSFP * 2 ▪ 1000 Base Optical * 2 ▪ 1000 Base Optical * 4 ▪ 10000 Base Optical * 2
Max		<ul style="list-style-type: none"> ▪ Mgmt. port : 10/100/1000 BaseTX * 2 ▪ Service port : <ul style="list-style-type: none"> - 1000 Base Optical * 2

Hardware Model		Description
		- 10/100/1000 BaseTX * 24 OR - 1000 Base Optical * 2 - 1000 BaseSFP * 24 OR - 1000 Base Optical * 14 OR - 1000 Base Optical * 2 - 10000 BaseSFP * 6 OR - 1000 Base Optical * 2 - 10000 Base Optical * 6
WAPPLES-2200 1Q350N08	CPU	Intel Xeon Quad Core 3.50 GHz
	Memory	16 GB
	HDD	1 TB
	SSD	128 GB
	N E T W O R K	Default
Expand		(Expansion 3 Slot) <ul style="list-style-type: none"> ▪ 10/100/1000 BaseTX * 4 ▪ 10/100/1000 BaseTX * 8 ▪ 1000 BaseSFP * 4 ▪ 1000 BaseSFP * 8 ▪ 10000 BaseSFP * 2 ▪ 1000 Base Optical * 2 ▪ 1000 Base Optical * 4 ▪ 10000 Base Optical * 2
Max		<ul style="list-style-type: none"> ▪ Mgmt. port : 10/100/1000 BaseTX * 2 ▪ Service port : <ul style="list-style-type: none"> - 1000 Base Optical * 2 - 10/100/1000 BaseTX * 24 OR - 1000 Base Optical * 2 - 1000 BaseSFP * 24 OR - 1000 Base Optical * 14

Hardware Model		Description	
		OR - 1000 Base Optical * 2 - 10000 BaseSFP * 6 OR - 1000 Base Optical * 2 - 10000 Base Optical * 6	
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"> ▪ Mgmt. port : 10/100/1000 BaseTX * 2 ▪ Service port : <ul style="list-style-type: none"> - 10/100/1000 BaseTX * 8 - 1000 BaseSFP * 4 - 1000 Base Optical * 2
		Expand	(Expansion 1 Slot) <ul style="list-style-type: none"> ▪ 1000 Base Optical * 4 ▪ 10000 Base Optical * 4 (If use expand, Cannot use '1000 Base Optical * 2' of Default.)
Max		<ul style="list-style-type: none"> ▪ Mgmt. port : 10/100/1000 BaseTX * 2 ▪ Service port : <ul style="list-style-type: none"> - 10/100/1000 BaseTX * 8 - 1000 BaseSFP * 4 - 1000 Base Optical * 4 OR <ul style="list-style-type: none"> - 10/100/1000 BaseTX * 8 - 1000 BaseSFP * 4 - 10000 Base Optical * 4 	
WAPPLES-5000 2H306N02	CPU	Intel Westmere hexa core 3.06 GHz * 2	
	Memory	32 GB	
	HDD	2 TB	
	N	Default	<ul style="list-style-type: none"> ▪ Mgmt. port : 10/100/1000 BaseTX * 2 ▪ Service port :

Hardware Model		Description
E T W O R K		<ul style="list-style-type: none"> - 10/100/1000 BaseTX * 8 - 1000 BaseSFP * 4 - 1000 Base Optical * 2
	Expand	(Expansion 1 Slot) <ul style="list-style-type: none"> ▪ 1000 Base Optical * 4 ▪ 10000 Base Optical * 4 (If use expand, Cannot use '1000 Base Optical * 2' of Default.)
	Max	<ul style="list-style-type: none"> ▪ Mgmt. port : 10/100/1000 BaseTX * 2 ▪ Service port : <ul style="list-style-type: none"> - 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
WAPPLES-5200	CPU	Intel Xeon Ten-Core 2.20 GHz * 2
	Memory	24 GB
	HDD	1 TB
	SDD	128 GB
	N E T W O R K	Default
Expand		(Expansion 4 Slot) <ul style="list-style-type: none"> ▪ 10/100/1000 BaseTX * 4 ▪ 10/100/1000 BaseTX * 8 ▪ 1000 BaseSFP * 4 ▪ 1000 BaseSFP * 8 ▪ 10000 BaseSFP * 2 ▪ 1000 Base Optical * 2 ▪ 1000 Base Optical * 4 ▪ 10000 Base Optical * 2
Max		<ul style="list-style-type: none"> ▪ Mgmt. port : 10/100/1000 BaseTX * 2

Hardware Model		Description	
		<ul style="list-style-type: none"> ▪ Service port : - 1000 Base Optical * 2 - 10/100/1000 BaseTX * 32 OR - 1000 Base Optical * 2 - 1000 BaseSFP * 32 OR - 1000 Base Optical * 18 OR - 1000 Base Optical * 2 - 10000 BaseSFP * 8 OR - 1000 Base Optical * 2 - 10000 Base Optical * 8 	
WAPPLES-5200 2T220N02	CPU	Intel Xeon Ten-Core 2.20 GHz * 2	
	Memory	24 GB	
	HDD	2 TB	
	SDD	128 GB	
	N E T W O R K	Default	<ul style="list-style-type: none"> ▪ Mgmt. port : 10/100/1000 BaseTX * 2 ▪ Service port : 1000 Base Optical * 2
		Expand	(Expansion 4 Slot) <ul style="list-style-type: none"> ▪ 10/100/1000 BaseTX * 4 ▪ 10/100/1000 BaseTX * 8 ▪ 1000 BaseSFP * 4 ▪ 1000 BaseSFP * 8 ▪ 10000 BaseSFP * 2 ▪ 1000 Base Optical * 2 ▪ 1000 Base Optical * 4 ▪ 10000 Base Optical * 2
Max		<ul style="list-style-type: none"> ▪ Mgmt. port : 10/100/1000 BaseTX * 2 ▪ Service port : - 1000 Base Optical * 2 - 10/100/1000 BaseTX * 32 OR - 1000 Base Optical * 2 - 1000 BaseSFP * 32 OR 	

Hardware Model		Description
		- 1000 Base Optical * 18 OR - 1000 Base Optical * 2 - 10000 BaseSFP * 8 OR - 1000 Base Optical * 2 - 10000 Base Optical * 8
WAPPLES-10000	CPU	Intel Xeon Ten-Core 2.80 GHz * 2
	Memory	32 GB
	HDD	1 TB
	SDD	128 GB
	N E T W O R K	Default
Expand		(Expansion 4 Slot) <ul style="list-style-type: none"> ▪ 10/100/1000 BaseTX * 4 ▪ 10/100/1000 BaseTX * 8 ▪ 1000 BaseSFP * 4 ▪ 1000 BaseSFP * 8 ▪ 10000 BaseSFP * 2 ▪ 1000 Base Optical * 2 ▪ 1000 Base Optical * 4 ▪ 10000 Base Optical * 2
Max		<ul style="list-style-type: none"> ▪ Mgmt. port : 10/100/1000 BaseTX * 2 ▪ Service port : <ul style="list-style-type: none"> - 1000 Base Optical * 2 - 10/100/1000 BaseTX * 32 OR - 1000 Base Optical * 2 - 1000 BaseSFP * 32 OR - 1000 Base Optical * 18 OR - 1000 Base Optical * 2 - 10000 BaseSFP * 8 OR - 1000 Base Optical * 2 - 10000 Base Optical * 8

Hardware Model		Description
WAPPLES-10000 2T280N02	CPU	Intel Xeon Ten-Core 2.80 GHz * 2
	Memory	32 GB
	HDD	2 TB
	SDD	128 GB
	N E T W O R K	Default
Expand		(Expansion 4 Slot) <ul style="list-style-type: none"> ▪ 10/100/1000 BaseTX * 4 ▪ 10/100/1000 BaseTX * 8 ▪ 1000 BaseSFP * 4 ▪ 1000 BaseSFP * 8 ▪ 10000 BaseSFP * 2 ▪ 1000 Base Optical * 2 ▪ 1000 Base Optical * 4 ▪ 10000 Base Optical * 2
Max		<ul style="list-style-type: none"> ▪ Mgmt. port : 10/100/1000 BaseTX * 2 ▪ Service port : <ul style="list-style-type: none"> - 1000 Base Optical * 2 - 10/100/1000 BaseTX * 32 OR <ul style="list-style-type: none"> - 1000 Base Optical * 2 - 1000 BaseSFP * 32 OR <ul style="list-style-type: none"> - 1000 Base Optical * 18 OR <ul style="list-style-type: none"> - 1000 Base Optical * 2 - 10000 BaseSFP * 8 OR <ul style="list-style-type: none"> - 1000 Base Optical * 2 - 10000 Base Optical * 8

[Table 2] Specifications of Detection Engine Hardware Models

Software and virtualized hardware specifications for operation of Detection Engine in virtual environment are as follows.

Product Name	WAPPLES V-series	
Spec.	Minimum Specifications	Recommended Specifications
CPU	Intel Xeon Quad Core 2.53 GHz * 2 Based 1 core	Intel Xeon Quad Core 2.53 GHz * 2 Based 2 core
Memory	2 GB	4 GB
HDD	40 GB	80 GB
Network Interface	100/1000 Mbps	
Software	<ul style="list-style-type: none"> • OS : Gentoo Linux OS 2008.0 • Encryption library: OpenSSL 0.9.8za (included in OS) • Web server : Apache HTTP Server 2.2.22 • DBMS : PostgreSQL 8.0.15, CouchDB 1.1.0 • Hypervisors(Consumer selection) for establishing virtual environment by consumer <ul style="list-style-type: none"> – Citrix XenServer 6.2 – VMware vSphere ESX 5.5 – Redhat RHEV KVM 3.3 	

[Table 3] Software and virtualized hardware specifications for Detection Engine in virtual environment

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 “Assurance Continuity: CCRA Requirements”, version 2.1, June 2012
- [2] Security Impact Analysis Report, “WAPPLES v4.0 Security Impact Analysis Report ”, v7.0, July 1, 2014
- [3] WAPPLES v4.0 Security Target v8.0, June 25, 2014
- [4] Certification Report, “WAPPLES v4.0 Certification Report(KECS-NISS-0426-2012)”, November 2012