

**Example  
Basis of Estimates Form**

**Generic Basis of Estimate**

*This section is to be completed By the Project Team*

<b>WBS #:</b> [Enter Here Example: 5.5.1]	<b>Deliverable(s):</b> [Enter Here Example: Install Firewall Protecting the Projects Servers]	<b>(Period of Performance):</b> [Enter Here Example: dd/mm/yy-dd/mm/yy]	
<b>Prepared by:</b> [Name Here]	[Signature here]	<b>Reviewed by:</b> [Name Here]	[Signature here]
<b>Date:</b>	[Enter Here]	<b>Date:</b>	[Enter Here]
<p><b>Item Description:</b> [(WBS/Work Package Element) Enter the “What” from the WBS or SOW here.] [Example: WBS 5.5.1 The contractor shall procure, install and configure a new Nokia 660 Firewall with (25 IP license pack and RAM Kit) in a manner to protect and support the project.]</p>			
<p><b>Basis of Estimate:</b> [Enter the “How” here. This is how you will do the work. Include each activity. In this case, they are underlined below.] [Example: Our Company will install and configure the installation of a new Nokia 660 Firewall with 1 RAM kit and 25 IP licenses. We will prepare and <u>install a base Firewall rule set</u> that is consistent with the best commercial practices for security as set forth by Checkpoint. Additionally, we will <u>customize the rule set</u> for this project’s application. This work will involve receiving the firewall, <u>racking it on existing racks within the data center, connecting it to the network</u>, and <u>meeting with the Hardware and software engineers</u> to develop a Port Map that is consistent with their needs as well as current security practices. This information will be used to <u>develop a Firewall policy rule set that will be subsequently pushed to/installed on the firewall</u>. Once installed, <u>this policy will be tested</u> by attempting to access a device behind the firewall through allowable Ports (which should allow for a connection) and through disallowed ports (which should result in a dropped connection and a log report on the firewall if logging is enabled.).]</p>			

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**Assumptions: : [Enter any constraints here.]**

[Example:

1. There is rack space, power and Network connectivity in the Data Center.
2. That there are two IPs in available for use and that will be assigned to the Firewall.
3. That the Network Technician and Firewall engineer have access to the data center during normal working hours for the contractor.
4. That the Software and Hardware Engineers or their representatives will meet in a timely manner to discuss the rule set.
5. That the Firewall Hardware and licenses are available in accordance with the schedule.]

**Resources: [Enter the “who” here. This is who will do the work + whatever else is needed]**

[Example:

**–Labor by Activity:**

- 1 Network Technician to rack the device, connect power and network cables. = 1 hour
- 1 Firewall engineer to install the standard firewall rule set and set up the base configuration. = .25 hours (15 minutes)
- 1 Firewall engineer to optimize the firewall rule set based on meetings with the S/W and H/W engineers = 2 hours.
- 1 Firewall engineer to Test the optimized the firewall rule set = 30 minutes.
- 1 Software engineer to Test the optimized the firewall rule set = 30 minutes.

**–Hardware Bill of Material:**

- 1 ea. Nokia 660 Firewall with RAM kit,
- 2 ea. patch cables
- 1 ea. Power cord
- 1 ea. Rack kit
- 1 ea. Checkpoint License with 25 IP addresses.

**-Engineering Travel**

The Firewall engineer will travel from the Contractors Facility in Annapolis MD to the Clients Facility in Odenton, MD and back for meeting with the Clients H/W and S/W staff and will configure the final Firewall Policy at that time = 30 minutes Drive Time + 22 Miles each way]

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**Generic Basis of Estimate Pricing Form**

*To Be completed By the Pricing or Estimating, NOT THE PROJECT TEAM (however, the project team has input into hours and quantities)*

<b>Prepared by:</b> [Name Here]	[Signature here]	<b>Reviewed by:</b> [Name Here]	[Signature here]	
<b>Date:</b>	[Enter Here]	<b>Date:</b>	[Enter Here]	
<b>Proposed Labor Skill Category</b>	<b>Proposed Hourly Rate Less Burdens</b>	<b>Number of Hours Proposed</b>	<b>Total Cost For Each Labor Category</b>	<b>Based on Actual Salary or Labor Category Rate</b>
Network Technician		1		
Firewall Engineer		3.75		
Hardware Engineer		2		
Software Engineer		2.5		
<b>Labor Totals:</b>				
<b>Material</b>	<b>Unit Costs</b>	<b>Qty</b>	<b>Extension</b>	<b>Based on Actual Quote or Estimate</b>
1. Nokia 660 P/N xxxxxx		1		
2. Nokia RAM Kit (256 MB) P/N xxxxxx		1		
3. CheckPoint License (25 users) P/N xxxxxx		1		
4. Patch Cables P/N xxxxxx		2		
5. Power Cord P/N xxxxxx		1		
6. Rack Kit P/N xxxxxx		1		
<b>Total Materials Costs:</b>				<b>(Attach Quotes as applicable)</b>
<b>Local Travel Explanation</b>	<b>Miles</b>	<b>Cost per Mile .xx per mile</b>	<b>Total</b>	
22 Miles each way/ 1 round trip	44			

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<b>Category</b>	<b>Total Cost</b>
Labor	
Material	
(Travel is sometimes treated as a separate line item here)	
<b>Total BOE Cost:</b>	