

Compliance Component

DEFINITION						
Name	Packet	Filter Firewalls				
Description	Packet filter fir functio control collecti Layer 3 provide packet	Filter Firewalls are the most basic, fundamental type of firewall. Packet rewalls are essentially routing devices that include access control nality for system addresses and communication sessions. The access functionality of a packet filter firewall is governed by a set of directives vely referred to as a rule set. In the basic form, packet filters operate at 8 (Network) of the Open Systems Interconnect (OSI) model. This es network access control based upon information contained in the				
Rationale	Packet block of placem filter fin filter un firewal authen	Filter Firewalls allow for speed and flexibility, as well as the capability to lenial-of-service and related attacks. This makes them ideal for eent at the outermost boundary with an untrusted network. The packet rewall, commonly placed on a boundary router, can block certain attacks, nwanted protocols and perform simple access control. Packet filter Is are very suitable for high-speed environments where logging and user tication with network resources are not important.				
Benefits	 Pace NOTE: Pace in constraints Pace Specific terms Mose Lime 	ket Filter Firewalls provide: Speed Flexibility Simplicity ket Filter Firewalls are only an initial layer of defense and should be used conjunction with other types of firewalls ket Filter Firewalls cannot prevent attacks that employ application- cific vulnerabilities or functions st packet filter firewalls do not support advanced user authentication bited logging functionality				
		ASSOCIATED ARCHITECTURE LEVELS				
List the Domain Name	ò	Security				
List the Discipline Nai	me	Technical Controls				
List the Technology A	rea Name	Secure Gateways and Firewalls				
List Product Compone	ent Name					
		COMPLIANCE COMPONENT TYPE				
Document the Comple Component Type	iance	Guideline				
Component Sub-type						
		COMPLIANCE DETAIL				
State the Guideline, S or Legislation	Standard	• Packet Filter Firewalls shall accept a packet and examine its source address, destination address, port, and protocol. The firewall shall apply the rule set and perform one of the following:				

	o Accept: Pas	s the packet	through t	he firewall as		
	requested.	requested. Denv: Drop the packet and return an error message to				
	the source s	the source system.				
	o Discard: Dr	op the packe	t, but do r	not return an error		
	message to not reveal t	message to the source system. This particular action does not reveal the firewall's presence ("black hole				
	methodology") to an outsider.					
	 Packet Filter Firewalls shall be able to filter both outbound as well as inbound traffic. 					
	Outbound filtering should be employed on IP addresses, ports,					
	protocols and application traffic to block unauthorized users, internal and external, from connecting to sensitive systems.					
Document Source Reference #						
	Standard Org	anization	1			
Namo	NIST SP 800-41,	Wahaita	<u>www.csi</u>	rc.nist.gov/publications/		
Name	Firewall Policy	WEDSHE	nistpubs			
Contact Information						
	Governmer	t Body				
Nama	National Institute of	Mahaita	http://o	and plat any (
Name	(NIST)	Websile	<u>nttp://c</u>	<u>src.nist.gov/</u>		
Contact Information						
	KEYWOI	RDS				
List all Keywords	Block, packets, deny, port hole, layer 3, OSI, bounda	s, protocols, i ry router	rule set, lo	ogging, attacks, black		
	COMPONENT CLA	SSIFICATIO	N			
Provide the Classification	🗌 Emerging 🛛 🖾 Curren	nt 🗌	Twilight	Sunset		
	Rationale for Compon	ent Classific	ation			
Document the Rationale for Component Classification						
	Conditional Use	Restrictions				
Document the Conditional Use Restrictions						
	Migration S	trategy				
Document the Migration Strategy						
	Impact Position	Statement				
Document the Position Statement on Impact						
	CURRENT S	TATUS				
Provide the Current Status)	🗌 In Development 🗌 Under	Review 🛛	Approved	Rejected		

AUDIT TRAIL						
Creation Date	04/22/2004	Date Accepted / Rejected	06/08/2004			
Reason for Rejection						
Last Date Reviewed		Last Date Updated				
Reason for Update		·				