



# Policies

## Firewall Policy

Style Definition: List Bullet 2

### Purpose

Banks DIH Limited operates perimeter [enterprise security appliances firewalls](#) between the [Internet](#) and its private internal network [in order to](#) create a secure operating environment for Banks DIH Limited's computer and network resources. A [security appliance firewall](#) is just one element of a layered approach to network security. The purpose of this Firewall Policy is to describe how the Cisco [MX105 ASA-5515X security appliance firewall](#) will filter [Internet traffic in order to](#) mitigate risks and losses associated with security threats, while maintaining appropriate levels of access for business users.

The Firewall Policy is subordinate to Banks DIH Limited's general Security Policy, as well as any governing laws or regulations.

### Scope

This Firewall Policy refers specifically to the [Cisco MX105 security appliance Cisco ASA 5515 firewall](#). The role of this [appliance firewall](#) is to provide high-performance, multifunction security - IPS, network and anti-virus and VPN services. As a key component of the Cisco Self-Defending Network, it provides proactive threat mitigation that stops attacks before they spread through the network, controls network activity and application traffic and delivers flexible VPN connectivity while remaining easy-to-manage. The [appliance firewall](#) will (at minimum) perform the following security services:

- Access control between the trusted internal network and untrusted external networks.
- Block unwanted traffic as determined by the firewall rule set.
- Hide vulnerable internal systems from the Internet.
- Hide information, such as system names, network topologies, and internal user IDs, from the Internet.
- Log traffic to and from the internal network.
- Provide robust authentication.
- Provide virtual private network (VPN) connectivity.

All employees of Banks DIH Limited are subject to this policy and required to abide by it.

### Responsibilities

The Information Technology Department is responsible for implementing and maintaining Banks DIH Limited [security appliances firewalls](#), as well as for enforcing and updating this policy. Logon access to the [appliance](#) firewall will be restricted to a primary firewall administrator and one designee. Password construction for the firewall will be consistent with the strong password creation practices outlined in Banks DIH Limited's Password Policy.

Any questions or concerns regarding the Cisco [MX105 security appliance ASA firewall](#) should be directed to the Helpdesk Administrator at 592-225-0910 Ext. 2129 [or 2409](#) or [helpdesk@banksdih.com](mailto:helpdesk@banksdih.com).



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The approach adopted to define firewall rule sets is that all services will be denied by the firewall unless expressly permitted in this policy. The Cisco [Meraki MX105ASA-5515X](#) firewall permits the following outbound and inbound **i**nternet traffic.

- Outbound – All **i**nternet traffic to hosts and services outside of Banks DIH Limited.
- Inbound – Only **i**nternet traffic from outside Banks DIH Limited that supports the business mission of Banks DIH Limited as defined by IT Department.

The table below identifies the most common services used for **i**nternet communications within the Banks DIH Limited environment. For each service type, the table will indicate whether the firewall will accept it, accept it with authentication, or reject it.

Traffic/Service	Port	Outbound (internal to external)	Inbound (external to internal)	Inbound VPN (secure VPN to internal)	Comments
DNS	53				
Finger	79				
FTP	21				
gopher					
HTTP	80				
ICMP					
IMAP	143				
LDAP	389				
NFS					
NNTP					
NTTP					
POP3	110				
TFTP	69				
Telnet	23				



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NFS					
NetBIOS	137				
RPC					
Rsh					
SMTP	25				
SNMP	161				
SSH	22				
X Windows					

## Operational Procedures

- Banks DIH Limited employees may request changes to the ~~firewall's~~ firewall's configuration ~~in order to~~ allow previously disallowed traffic. A firewall change request form ~~or a reported Help Desk case~~, with full justification, must be submitted to the IT department for approval. All requests will be assessed to determine if they fall within the parameters of acceptable risk. Approval is not guaranteed as associated risks may be deemed too high. If this is the case, an explanation will be provided to the original requestor and alternative solutions will be explored.
- Banks DIH Limited employees may request access from the ~~i~~Internet for services located on the internal Banks DIH Limited network. Typically, this remote access is handled via a secure, encrypted virtual private network (VPN) connection. VPN will allow access to internal network resources as it pertains to application servers and printers required to perform daily user functions.  
  
VPN sessions ~~do not will~~ have an ~~absolute~~ timeout length ~~and of~~ ~~[insert time length]~~. ~~An inactivity timeout will be set for [insert time length]. At the end of these timeout periods, users will only be disconnect by the user, must re-authenticate to continue or re-establish their VPN connection.~~ A VPN connectivity request form ~~or a reported Help Desk case~~, with full justification, must be submitted to the IT department for approval. Approval is not guaranteed.
- From time to time, outside vendors, contractors, or other entities may require secure, short-term, remote access to Banks DIH Limited's internal network. If such a need arises, a third-party access request form, ~~a reported Help Desk case or an e-mail~~ with full justification, must be submitted to the IT department for approval. Approval is not guaranteed.
- Turnaround time for the above stated firewall reconfiguration and network access requests are approximately three (3) days from the receipt of the request form.
- ~~Firewall logs~~ Firewall logs are archived in the Meraki MX105 security appliance, ~~will be backed up weekly and archived monthly. Firewall logs will be reviewed weekly.~~



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### Enforcement

Wherever possible, technological tools will be used to enforce this policy and mitigate security risks. Any employee who is found to have violated this policy may be subject to disciplinary action, up to and including termination of employment.

### Agreement

I have read and understand the Firewall Policy. I understand if I violate the rules explained herein, I may face legal or disciplinary action according to applicable law or company policy.

Name: \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

\_\_\_\_\_