



Firewall Guide for Offline E-MAS

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1. Introductory

The following are just a guide on how to configure 5 commonly used firewalls for life planners.

- ZoneAlarm Firewall (Freeware)
- McAfee Personal Firewall 2004
- Norton Internet Security 2004
- Windows XP Server Pack 2 (Integrated Firewall)
- Norman Personal Firewall

You may need to configure your own firewall to understand the E-MAS application if the firewall application you installed is not listed above.

2. Files needed to access the internet

If you have any firewall installed in your notebook, you need to configure your firewall to allow the following files to get access to the internet.

File Name	Location	When Will Firewall Prompt For Action?	
Java.exe	c:\emas\jdk\bin\java.exe	Starting/Launching E-MAS	
Htmldoc.exe	c:\emas\htmldoc\htmldoc.exe	Save generated FLP/BIPS/Proposal to PDF format	
AOM.exe	c:\program files\common files\adobe\web\AOM.exe	Loundhing only constant	
PDFViewer.exe	c:\windows\PDFviewer.exe	- PDF files	
Acrobat.exe	<pre>c:\program files\adobe\acrobat 5.0\acrobat\acrobat.exe</pre>		

Note:

If you have configured the firewall to understand E-MAS application by following steps 3.0 or 4.0 listed below, you should not be prompted again the next time you use your E-MAS application.





3. Enabling Firewalls to Work With E-MAS

3.1.0 ZoneAlarm (Freeware)

ZoneAlarm Alert NEW PROGRAM	ZoneAlarm Alert SERVER PROGRAM
java.exe is trying to access the Internet.	java.exe trying to act as a server.
Validation: Not available in ZoneAlarm Application: java.exe Destination IP: 10.1.11.8:DNS	Validation: Not available in ZoneAlarm Application: java.exe Source IP: 0.0.0.0:HTTP
More Information Available:	More Information Available:
AlertAdvisor More Info Want to have fewer alerts? Find out how. Image: End out how. Image: End out how. Image: End out how. End out how. Image: End out how. End out how.	AlertAdvisor More Info Want to have fewer alerts? Find out how. Image: Bemember this setting Allow Deny Allow

Starting / Launching E-MAS

- 3.1.1 Check on "Remember this setting" for all the above ZoneAlarm Alerts
- 3.1.2 Click **[Allow]** button

ZoneAlarm Alert NEW PROGRAM				
htmldoc.exe is trying to access the Internet.				
Validation: Not available in ZoneAlarm Application: htmldoc.exe Destination IP: 10.1.11.8:DNS				
More Information Available:				
This is the program's first attempt to access the Internet.				
AlertAdvisor More Info				
Want to have fewer alerts? <u>Find out how.</u>				
Remember this setting.	_			
<u>Allow</u> Deny				

Save generated FLP/BIPS/Proposal to PDF format





3.1.3 Check on "*Remember this setting"*3.1.4 Click [Allow] button

		T ZoneAlarm Alert
NEW PROGRAM		
AOM MFC Application is trying	to access	"PDF Viewer" for Great Eastern Life
the Internet.		EMAS Project is trying to access the
Validation: Not available in∠one. Application: AOM.exe	Alarm	Validation: Not available in ZoneAlarm
Destination IP: 10.1.11.8:DNS		Application: PDFViewer.exe
Nore Information Available:		More Information Available:
This is the program's first attempt to acce nternet.	ss the	This is the program's first attempt to access the
		Internet.
AlertAdvisor Mc		
Want to have fewer alerts?		AlertAdvisor More Info
		Want to have fewer alerts?
Find out how.		
Remember this setting.		
Allow Den	y	Remember this setting.
		Allow <u>D</u> eny
N	(x:249	<u> </u>
T	ZoneAlarm Al	ert
	NEW PROGRA	AM
Adobe	Acrobat 5.0 is try et.	ying to access the
Malidation	n: Not availab	
	A such as an	le in ZoneAlarm
Application Application Destination	on: Acrobat.exe on IP: 10.1.11.8:D	le in ZoneAlarm e NS
Application Application Destination More In	on: Acrobat.exe on IP: 10.1.11.8:D formation Available	le in ZoneAlarm e DNS le:
Manadon Applicati Destinati More In This is th	on: Acrobat.exe on IP: 10.1.11.8:D formation Availabl e program's first attem	le in ZoneAlarm e NNS le: pt to access the
Application Application Destination More In This is the Internet.	on: Acrobat.exe on IP: 10.1.11.8:D formation Availabl e program's first attem	le in ZoneAlarm B INS Ie: Ipt to access the
Application Destination More In This is the Internet.	on: Acrobat.exe on IP: 10.1.11.8:D formation Availabl e program's first attem	le in ZoneAlarm NNS le: pt to access the
Application Application Destination More In This is the Internet.	on: Acrobat.exe on IP: 10.1.11.8:D formation Availabl e program's first attem (dvisor	le in ZoneAlarm e NS le: pt to access the <u>More Info</u>
Application Destination More In This is the Internet.	on: Acrobat.exe on IP: 10.1.11.8:D formation Availabl e program's first attem dvisor vant to have fewer ale	le in ZoneAlarm PNS le: pt to access the <u>More Info</u> erts?
AllertA	on: Acrobat.exe on IP: 10.1.11.8:D formation Availabl e program's first attem Advisor Vant to have fewer ale ind out how.	le in ZoneAlarm e NS le: pt to access the <u>More Info</u> erts?
Application Destination More In This is the Internet.	on: Acrobat.exe on IP: 10.1.11.8:D formation Availabl e program's first attem Advisor Vant to have fewer ale ind out how. ember this setting.	le in ZoneAlarm
validado Applicati Destinati More In This is th Internet. AlertA ↓ ♥ E	on: Acrobat.exe on IP: 10.1.11.8:D formation Availabl e program's first attem Advisor Vant to have fewer ale ind out how. ember this setting.	le in ZoneAlarm
Application Destination More In This is the Internet.	on: Acrobat.exe on IP: 10.1.11.8:D formation Availabl e program's first attem, Advisor Vant to have fewer ale ind out how, ember this setting, Allow	le in ZoneAlarm

Launching any generated PDF files

- 3.1.5 Check on "Remember this setting" for all the above ZoneAlarm Alerts
- 3.1.6 Click [Allow] button





3.2.0 McAfee Personal Firewall Plus 2004



3.2.1 Click on "Grant Access"



Save generated FLP/BIPS/Proposal to PDF format

3.2.2 Click on "Grant Access"







3.2.3 Click on "*Grant Access"* for both notifications



3.3.0 Norton Internet Security 2004



- 3.3.1 Click on "Web Assistant" on the Internet Explorer Toolbar
- 3.3.2 **Uncheck** the below options
 - Block ads on this site
 - Block pop ups on this site
- 3.3.3 Select Configure security settings...





Norton Internet Security			
Block Traffic WLive	Jpdate 🗹 Options		② <u>H</u> eip & Support ▼
Norton Internet Security	System Status:	Urgent attentio	n 😣
<u>S</u> tatus & Settings	Security	On	Ad Blocking
S <u>t</u> atistics	🔗 Personal Firewa	ll On	Ad Blocking helps eliminate unwanted
Su <u>b</u> scription Status	🔺 Intrusion Detecti	on Off	ad banners and pop- up ads on Web
<u>U</u> ser Accounts			pages.
	Settings for:	Raymond	
	📀 Privacy Control	On	
	🔗 Ad Blocking	On	Turn Off
	📀 Norton AntiSpam	On	Configure
	Å Parental Control	Off	
Symantec.		Norton Interne	t Security ⁻²⁰⁰⁴

3.3.4 Select "Ad Blocking"

3.3.5 Click [Turn Off] button

Porton Internet Security	X			
Program Control				
🛕 Medium Risk	Alert Assistant			
java.exe is attempting to connect to a DNS server.	<u>Micht Assistant</u>			
Show Details				
What do you want to do?				
Always allow connections from this program on all ports				
<u>K</u>				

Starting/Launching E-MAS

- 3.3.6 Select "Always allow connections from this program on all ports"3.3.7 Click [OK] button







- 3.3.8 Select "Permit (Recommendation)"
- 3.3.9 Check "Always use this action"
- 3.3.10 Click [OK] button

Norton Internet Security		×		
Program Control				
🔔 Medium Risk	Alert Assistant			
htmldoc.exe is attempting to connect to a DNS server.				
Show Details				
What do you want to do?				
Always allow connections from this program on all ports				
<u>K</u>				

Save generated FLP/BIPS/Proposals to PDF format

3.3.11 Select "Always allow connections from this program on all ports" 3.3.12 Click **[OK]** button





worton Internet Security	X			
Program Control				
🔔 Low Risk	Alert Assistant			
Adobe Online is attempting to access the Internet.				
Show Details				
What do you want to do?				
Permit				
<u>o</u> κ ☑ <u>A</u> lways use this action				
Launching any genera	ted PDF files			

- 3.3.13 Select "Permit"
- 3.3.14 Check "Always use this action"
- 3.3.15 Click [OK] button

Worton Internet Security	×
Program Control	
🛕 Medium Risk	?
PDFViewer.exe is attempting to connect to a DNS service	<u>Alert Assistant</u> Ver.
Show Details	
What do you want to do?	
Always allow connections from this program on all ports	–
QK	

Launching any generated PDF files

- 3.3.16 Select "Always allow connections from this program on all ports"
- 3.3.17 Click [OK] button







- 3.3.18 Select "Permit"
- 3.3.19 Check "Always use this action"
- 3.3.20 Click [OK] button





3.4.0 Windows XP Service Pack 2 (Integrated Firewall)

🙀 Windows Security Alert 📉 🔀					
To help protect your computer, Windows Firewall has blocked some features of this program.					
Do you want to keep blocking this program?					
<u>N</u> ame: java <u>P</u> ublisher: Unknown					
Keep Blocking Unblock Ask Me Later					
Windows Firewall has blocked this program from accepting connections from the Internet or a network. If you recognize the program or trust the publisher, you can unblock it. <u>When should Lunblock a program?</u>					

Starting / Launching E-MAS

3.4.1 Click [Unblock] button





3.5.0 Norman Personal Firewall

वि	Connection Alert!	NORMAN
· Y ·		Norman Personal Firewall - Assistant
	Do you want to allow "java" to acc	cess the Internet/network?
	Tip: None	
 Reme 	ember it	
🔿 Only	for this session	
🔿 Only	this instance	Details
	Yes	

3.5.1 Select [Remember it] radio button 3.5.2 Click **[Yes]** button

Create rule	
	This wizard will help you create a firewall rule that permits outgoing TCP network communication.
the	You will be asked about the following rule properties:
	Application: java
S. S. S.	Remote service: 80
	Remote address: 203.117.169.118
ire	To begin creating the firewall rule, click on Next
Wa	
• • • • • • = • •	
	< <u>₿</u> ack <u>N</u> ext > Cancel Help

3.5.3 Click [Next] button





Create rule	X
the personal firewall	Current rule definition: Allow "java" to perform outgoing TCP communication. Choose whether this rule permits network communication using only the "80" service or any service. A network service defines what type of communication can take place with another computer (for example, web browsing [http] or email [pop, smtp, imap]). The rule applies to:
	< <u>₿</u> ack <u>N</u> ext > Cancel Help

- 3.5.4 Select "80"
- 3.5.5 Click [Next] button





Create rule	
	Current rule definition: Permits "java" to perform outgoing TCP communication using "80".
the pers	Choose whether this rule permits communication only to the network address "203.117.169.118" or any network address. A network address defines another computer.
onal firewall	The rule applies to: Any address 203.117.169.118
	< <u>B</u> ack <u>N</u> ext > Cancel Help

- 3.5.6 Select "Any address" 3.5.7 Click **[Next]** button

Create rule			X
Create rule	A rule with the following of This rule will permit outgo Rule summary: Application: Remote service: Remote address: After the rule is created, y consult the manual for mo firewall rules.	configuration will be created: ing TCP communication. java 80 Any address you may disable, modify, or delete it later. Please ore information about creating and modifying	×
	< <u>B</u> ack	Finish Cancel Help	

3.5.8 Click [Finish] button





4. Manual configuration of firewalls to work with E-MAS

4.1.0 Norton Internet Security 2004

Norton Internet Security			
Block Traffic WLiveU	pdate 📝 Options		② Help & Support *
Norton Internet Security	System Status:	Urgent attenti	on 😣
<u>S</u> tatus & Settings ◀	Security	On	Personal Firewall
S <u>t</u> atistics	🔗 Personal Firewa	all On	Personal Firewall protects your
Su <u>b</u> scription Status	Å Intrusion Detect	tion <mark>Off</mark>	computer from unauthorized
<u>U</u> ser Accounts			access.
	Settings for:	Raymond	•
	🐼 Privacy Control	On	
	🔥 Ad Blocking	Off	Turn Off
	🧭 Norton AntiSpam	On	Coptigure
	Å Parental Control	Off	
Symantec.		Norton Intern	et Security ⁻²⁰⁰⁴

- 4.1.1 Select "Personal Firewall" under System Status
- 4.1.2 Click [Configure] Button





Norton Internet	Security			
Firewall	Programs	Networking	Locations	Advanced
Persona	l Firewall		At set	1 and the
Personal Fire	wall protects your c	omputer from atta	acks and malicious	<u>More Info</u> programs.
⊠ Turn <u>o</u> n P	ersonal Firewall.		A rad	
Choose a sec	curity level <u>f</u> or: Ray	mond		
Move the sli	der to set the Firewa	all level.		
H	ligh • Alerts you when p • Alerts you before l • Stealths unused p	rograms attempt loading ActiveX cr orts, making ther	to access the Inter ontrols or Java appl m invisible to remot	net. ets. e computers.
	<u>C</u> ustom L	_evel <u>D</u> efa	ult Level	
		OK		

4.1.3 Click on "Programs" Tab





Firewall Programs	Networking	Locations	Advanced
Program Control		A house	A DEAL AND
		19 23	More Inf
Settings for: Default (Active)			•
Automatic Program Control			
V Turn on Automotic Brogram (Control		
✓ Turn <u>o</u> n Automatic Program C Manual Program Control Create custom Internet access s and configure all Internet program	Control ettings for individu ns on your compu	ial programs. To d ter, click Program	quickly identify 1 Scan.
✓ Turn <u>o</u> n Automatic Program (Manual Program Control Create custom Internet access s and configure all Internet program	Control ettings for individuns on your compu	al programs. To o ter, click Program Access Catego	quickly identify a Scan.
✓ Turn on Automatic Program (Manual Program Control Create custom Internet access s and configure all Internet program Program Microsoft Generic Host Process for	Control ettings for individu ns on your compu Internet Win32 Se v Automa	al programs. To o ter, click Program Access Catego tic → Gene	quickly identify o Scan. my
Turn on Automatic Program (Manual Program Control Create custom Internet access s and configure all Internet program Program Microsoft Generic Host Process for Microsoft Internet Explorer	Control ettings for individu ns on your compu Internet Win32 Se ❤ Automa ❤ Permit A	al programs. To o ter, click Program Access Catego tic ← Gene	quickly identify n Scan. my and ral
Turn on Automatic Program C Manual Program Control Create custom Internet access s and configure all Internet program Program Microsoft Generic Host Process for Microsoft Internet Explorer Microsoft MSN Messenger	Control settings for individu ns on your compu Internet Win32 Se ← Automa ← Permit A	al programs. To o ter, click Program Access Catego tic ← Gene tic ← Gene	quickly identify n Scan. Malenal
Turn on Automatic Program C Manual Program Control Create custom Internet access s and configure all Internet program Program Microsoft Generic Host Process for Microsoft Internet Explorer Microsoft MSN Messencer Add Modify	Control eettings for individu ns on your compu Internet Win32 Se ← Automa ← Permit A ← Automa	al programs. To o ter, click Program Access Catego tic ← Gene tic ← Gene tic ← Multin move Pro	quickly identify o Scan. Iral Iral Iole

4.1.4 Click [Add] button

Select a program			<u>? ×</u>
Look jn:	🗀 Program Files	💽 🕝 🦻 📴 🛄 -	
My Recent Documents Desktop My Documents	Adobe Allaire CIC Common Files ComPlus Applications CyberLink DBTools Software DirPrn Download Express EuroTool HighMAT CD Writing Wizard InstallShield Installation Information Internet Explorer Software	 Java Messenger Microsoft ActiveSync microsoft frontpage Microsoft Office Microsoft SQL Server Microsoft VM Microsoft.NET Movie Maker MSN Gaming Zone mysingtel NetMeeting NetWeeting Network Associates Nokia 	Conline Outloc Quick' Smart SurfO Symar Uninst Windc Windc Windc Windc Windc Windc Windc
My Network Places	File name: I Files of type: Executables (*.exe)		<u>Open</u> Cancel





Add Program						? ×
Look jn:	C Acrobat		•	(= 🗈 🖻	* 🎟 🕶	
My Recent Documents Desktop My Documents My Computer	ActiveX Browser Help Javascripts Optional PalmPilot Photoshop Plug_ins Sequences SPPlugins Acrobat.exe					
My Network	File <u>n</u> ame:			ŀ	-	<u>O</u> pen
Places	Files of <u>type</u> :	Executable Files (*.exe;*.com	n;*.scr)]	•	Cancel

4.1.5 Under Look in, navigate to c:\Program Files\Adobe\Acrobat 5.0\Acrobat\Acrobat.exe

Norton Internet Security	×
Program Control	
🔔 Low Risk	
Click the appropriate option to control Internet access for A Acrobat 4.0.	dobe
Hide Details	
A supported version of Symantec AntiVirus is not installed, the application could not be scanned for viruses. There is no autoconfiguration data for this application. This application is from a known company (Adobe Systems Incorporated). This application doe	▲ 95 ↓
What do you want to do?	
Permit	
QK	

4.1.6 Select "Permit" and Click [OK] button





Application Category
Choose Application Category
More Info
Click the category that best describes the application for which you've configured Internet access. Norton Parental Control uses these categories to determine which applications your children can use online.
General
Chat Conferencing & Collaboration
E-mail
Education & Family File Transfer
Instant Messaging
OK

4.1.7 Select "General" and click [OK] button

Norton Internet Security			1
Firewall Programs Netv	vorking	Locations	Advanced
Program Control		MARK.	1 miles
			More Info
Settings for: Default (Active)			-
Automatic Program Control			
Automatic Program Control only configu Symantec has identified as safe. Turn on Automatic Program Control Manual Program Control Create custom Internet access settings and configure all Internet programs on y	for individ	s for versions of p ual programs. To d	quickly identify
Program	Internet	Access Catego	ory 🔺
Adobe Acrobat 5.0	✓ Permit /	All ▼ Gene	eral
Microsoft Generic Host Process for Win32 S	e 🕶 Automa	atic v Gene	ral
Microsoft Internet Explorer	➡ Permit.	All – Gene	eral 🗾
A <u>d</u> d <u>M</u> odify	R	emove Pro	ogram <u>S</u> can
	OK		L

4.1.8 Repeat steps **4.1.4** to **4.1.7** to add the remaining files listed below





File Name		Lo	ocation		
Java.exe	c:\emas\jdk\bin\java.exe				
Htmldoc.exe	c:\emas\htmldoc\htmldoc.exe				
AOM.exe	c:\program	files\commo	n files\adobe	\web\AOM.ex	e
PDFViewer.exe	c:\windows	\PDFviewer.e	xe		
Norton Internet Se	curity				×
Firewall	Programs	Networking	Locations	Advanced	
Program (Control		1120	And a star	
				More Info	
Settings for: D	efault (Active)			-	
Automatic Pro	gram Control				
Symantec has I Turn <u>o</u> n Auta Manual Progra Create custom and configure a	identified as safe omatic Program (am Control Internet access s Il Internet progran	Control settings for indivic ns on your comp	lual programs. To uter, click Progra	o quickly identify m Scan.	
Program		Internel	: Access Cate	gory 🔺	
🍌 ''PDF Viewer''	for Great Eastern Life	e EMAS P., ▼Permit	All ▼Ge	neral	
🖄 Adobe Acroba	t 5.0	▼ Permit	All ▼ Ge	neral	
AOM MFC ADD	olication	✓ Permit	All ⊸ Ge	neral 🗾	
A <u>d</u> d	<u>M</u> odif	/R	<u>e</u> move F	Program <u>S</u> can	
		OK			

4.1.9 Once, you have completed the above steps, click **[OK]** button



FUJITSU THE POSSIBILITIES ARE INFINITE

Norton Internet Security			
Norton Internet Security	System Status:	Urgent attentio	Support*
<u>S</u> tatus & Settings ◀	Security	On	Item Details
S <u>t</u> atistics	🔗 Personal Firew	all On	The items marked in red need your
Su <u>b</u> scription Status	🛕 Intrusion Detec	tion Off	attention.
<u>U</u> ser Accounts			Please select an item by clicking on the
	Settings for:	Raymond	get more information and take the
	📀 Privacy Control	On	necessary action.
	Å Ad Blocking	Off	
	🐼 Norton AntiSpam	On	
	🛕 Parental Control	Off	
Symantec.		Norton Interne	t Security ⁻²⁰⁰⁴

4.1.10 Close this screen to complete your manual configuration





4.2.0 McAfee Personal Firewall 2004



4.2.1 Click "Internet Applications"

McAfee Personal Firewall Plus File Edit View Application Help		<u> </u>
McAfee PersonalFirewall		🖸 Settings 🕜 Help
Internet Applications		
Summary Application Name Summary Application Layer Gateway Service Common Client User Session Generic Host Process for Win32 Services Internet Explorer Internet Information Services Application Liest Version) McAfee Personal Firewall Crasple Internet Information Services McAfee Personal Firewall Tray Monitor McAfee Personal Firewall Tray Monitor McAfee Personal Firewall Tray Monitor McAfee Sersonal Firewall Console Messenger Services and Controller app Sopoler Subsystem App	File Name alg.exe cCAPP.EXE sychost.exe iexplore.exe iexplore.exe lass.exe MpfConsole.exe MpfTray.exe mytx.exe msmgs.exe services.exe spoley.exe spoley.exe	Permissions Allow Full Access Allow Full Access
Utilities Windows Explorer 6.0 Windows Explorer 6.0 C:\WINDOWS\explorer.exe	New Allowed Application 🛛 🙀 New Blocked Application	Change Permission To all Allow Full Access Cutbound Access Only
Permission: Allow Full Access Rule created on: 06/14/2004 2:5 This application has Full Access to any computer.	3:50 PM the Internet. It is possible for this application to send and receive data with	Block This Application Delete Application Rule Get More Information
Standard Security IP Address: 10.4.1.184 Ne	etmask: 255.255.0.0	

4.2.2 Click "New Allowed Application"



FUJITSU

💦 Select Applica	tion to Allow		? ×
Look jn:	Program Files	- 🕑 🜶 📂 🛄-	
My Recent Documents Desktop My Documents My Computer	 Adobe ahead Allaire CIC Common Files ComPlus Applications CyberLink DBTools Software DirPrn Download Express EuroTool HighMAT CD Writing Wizard InstallShield Installation Information Internet Explorer Jasc Software Inc 	 Java McAfee.com Messenger Microsoft ActiveSync microsoft frontpage Microsoft Office Microsoft SQL Server Microsoft VM Microsoft.NET Movie Maker MSN Gaming Zone mysingtel NetMeeting Network Associates Nokia 	Nortor Online Outloc Quick' Smart SurfO Symar Uninst Windc Windc Windc Windc Windc Windc Windc Windc Windc Windc
My Network Places Select Applica Look jn:	File name: Files of type: Applications (*.exe) Ition to Allow		<u>O</u> pen Cancel
	ActiveX		

Look jn:	Crobat	•	G 🤌 😕 🖽 -	
My Recent Documents Desktop My Documents My Computer	ActiveX Browser Help Javascripts Optional PalmPilot Photoshop Plug_ins Sequences SPPlugins Acrobat.exe			
My Network	File <u>n</u> ame:	Acrobat.exe	-	<u>O</u> pen
	Files of <u>type</u> :	Applications (*.exe)	▼	Cancel

4.2.3 Under Look in, navigate to c:\Program Files\Adobe\Acrobat 5.0\Acrobat\Acrobat.exe
4.2.4 Click [Open] button



4.2.5 Repeat steps **4.2.3** to **4.2.4** to add the remaining files listed below

File Name	Location
Java.exe	c:\emas\jdk\bin\java.exe
Htmldoc.exe	c:\emas\htmldoc\htmldoc.exe
AOM.exe	c:\program files\common files\adobe\web\AOM.exe
PDFViewer.exe	c:\windows\PDFviewer.exe

🔀 McAfee Pers	onal Firewall Plus		<u>_ 0 ×</u>
<u>File Edit ⊻iew</u>	Application Help		
NcA	fee Personal Firewall		🗾 Settings 🕜 Help
	Internet Applications		
Summary Summary Internet Applications Inbounds Utilities	Application Name PDF Viewer" for Great Eastern Life EMAS Project Application Layer Gateway Service Greaneric Host Process for Win32 Services htmldoc.exe Thernet Explorer LAS Abiel (Export Version) McAfee Personal Firewall Console McAfee Versonal Firewall Tray Monitor McAfee Versona	File Name PDPUewer.exe AOM.exe alg.exe svchost.exe htmldoc.exe isxplore.exe inetinfo.exe java.exe Jass.exe MpTConsole.exe msmsg5.exe msmsg5.exe spolsv.exe explorer.exe	Permissions Allow Full Access Allow Full Access
	Rew Alls	wed Application 💦 🙀 New Blocked Application	Change Permission To
	Windows Explorer 6.0 Microsoft Corporation		International Control of Control
	C:\WINDOWS\explorer.exe		Allow Full Access
	Permission: Allow Full Access		Outbound Access Only
	Rule created on: 06/14/2004 2:53:50 PM		COURT INS Application
	This application has Full Access to the Inter computer.	rnet. It is possible for this application to send and receive data with any	Get More Information
Standard Security	 IP Address: 10.4.1.184 Netmask: 2 	55.255.0.0	
	ji in the second se		

4.2.6 Close this screen to complete your manual configuration

e-mas





4.3.0 ZoneAlarm Firewall (Freeware)



4.3.1 Click on "Program Control" on left hand menu







4.3.2 Click on "Programs" Tab



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ZA ZoneAlarm		
ZONE		
	Program Control	All Systems Active
Overview Firewall Program Control Antivirus Monitoring E-mail Protection Alerts & Logs	These are programs that have tried to access the Internet or local network. Access and Server columns show the permissions the program has for each Zone. Change a program's permissions by left-clicking the icons in the Access or Server column.	Access Trusted Internet Server Trusted Internet Server Indennet Server Generic Host Proce J J J Id Messenger J J J J Id SQL Server Servic J J ? ? Id
		Entry Detail Product name Microsoft@ Windows@ Operating System File name C: WINDOWS'System32\svchost.exe Policy Automatically configured Last policy update 07/09/2004 11:35:20 Version 5.1.2600.0 (tyclient.010817-1148) Created date 08/03/2001.20:00:00
Click here to upgr	◀ Hide Text ade to ZoneAlarm Pro.	K

4.3.3 Click [Add] button

Add Program			? ×
Look <u>i</u> n:	🗀 Program Files	- 🖬 📩 🖃	
	adobe	🚞 Java	Cutloc 🚞
	🚞 ahead	🚞 Messenger	🚞 Quick'
My Recent	🗀 Allaire	🚞 Microsoft ActiveSync	🚞 Smart
Documents		🚞 microsoft frontpage	🚞 Uninst
	Common Files	C Microsoft Office	🚞 Windc
	ComPlus Applications	🚞 Microsoft SQL Server	🚞 Windo
Desktop	CyberLink	🚞 Microsoft VM	🚞 Windo
	DBTools Software	🚞 Microsoft.NET	🚞 Windo
	DirPrn	🚞 Movie Maker	🚞 WinR4
	Download Express	🛅 MSN Gaming Zone	🚞 WinZip
My Documents	EuroTool	🚞 mysingtel	🚞 WS_F
	🛅 HighMAT CD Writing Wizard	🚞 NetMeeting	🚞 xerox
	installShield Installation Information	🚞 Network Associates	🚞 Yahoc 🛛
Mu Computer	🛅 Internet Explorer	🚞 Nokia	🚞 Zero (
my compater	🛅 Jasc Software Inc	🛅 Online Services	🚞 Zone I
	•		Þ
	-		
My Network	File <u>n</u> ame:	<u> </u>	<u>O</u> pen
	Files of type: Executable Files (*.e	xe;*.com;*.scr)	Cancel





Add Program					<u>? ×</u>
Look jn:	C Acrobat		•	(= 🗈 💣 🖪	•
My Recent Documents Desktop My Documents My Computer	ActiveX Browser Help Javascripts Optional PalmPilot Photoshop Plug_ins Sequences SPPlugins Acrobat.exe				
My Network	, File <u>n</u> ame:			•	<u>O</u> pen
Places	Files of <u>type</u> :	Executable Files (*.exe;*.com	n;*.sor)	•	Cancel

4.3.4 Under Look in, navigate to *c:\Program Files\Adobe\Acrobat 5.0\Acrobat\Acrobat.exe*4.3.5 Click **[Open]** button

ZA ZoneAlarm						
ZONE				0		AMS
INTER					All Systems	Active
	Program Control				Main	7 Help Programs
Overview	These are programs that have tried to access the	Programs 🛦	Access Trusted Internet	Server Trusted Internet	ĥ	
Firewall	Access and Server	Adobe Acrobat 5.0	??	?? JX		
Program Control	columns show the permissions the program has for each Zone.	Messenger SQL Server Servic		J J ? ?		
Antivirus Monitoring	Change a program's					
Protection	left-clicking the icons in the Access or Server					
Alerts & Logs	column.					
		Entry Detail Product name Micr	osoft®Windows	® Operating Syst	tem 🔺	
		File name C:W Policy Auto	MNDOWS\System omatically configu	i32\svchost.exe ired		Add
		Last policy update 07/0 Version 5.1.: Created date 08/2	19/2004 11:35:20 2600.0 (xpclient.0 13/2001 20:00:00)10817-1148)	-	
	∢ Hide Text					K
Click here to upgra	ade to ZoneAlarm Pro.					

4.3.6 Repeat steps 4.3.3 to 4.3.5 to add the remaining files listed below





File Name	Location
Java.exe	c:\emas\jdk\bin\java.exe
Htmldoc.exe	c:\emas\htmldoc\htmldoc.exe
AOM.exe	c:\program files\common files\adobe\web\AOM.exe
PDFViewer.exe	c:\windows\PDFviewer.exe

ZA ZoneAlarm							- I X
ZONE							
L A D B				1⊒ஃ	PROGR	AMS	
				All	System	s Activ	e O Holo
	Program Control				Main	Dr	orrame
	The second secon	[_				
Overview	have tried to access the	Programs 🛦	Ac Trusted	cess I Internet	Ser Trusted	ver Internet	6
	Internet or local network.	🍌 "PDF Viewer" for Great Eastern Life EMAS Project	?	?	?	?	
Firewall	Access and Server	Adobe Acrobat 5.0	?	?	?	?	
Program	columns show the permissions the program	C Application	?	?	?	?	
Antivirus	has for each Zone.	Generic Host Process for Win32 Services	1		1	X	
Monitoring	Change a program's	htmldoc.exe	2	- ?	?	~ ~	
E-mail	permissions by	Java.exe	1		1		
Protection	the Access or Server	Shooler SubSystem Ann		1	2	2	
Alerts & Logs	column.	SQL Server Service Manager	Ĵ		2	2	
		Entry Detail					
		Product name				▲	
		File name C:\EMAS_TRAINING\idk\bin\jav	a.exe				Add
		Last policy update Not applicable				-	
Click here to upgra	ade to ZoneAlarm Pro.						
ZAZoneAlarm							
ZONE	_						
ZUNE				⊒3	PROGR	AMS	
				All	System	s Activ	e
							🕜 Help
	Program Control				Main	Pr	ograms
0	These are programs that	Programs A	Ac	cess	Ser	ver	6
Overview	have tried to access the		Trustee	i Internet	Trusted	Internet	
Firewall		Adoba Acrobat 5.0	2	✓ Allow		2	
Program	Access and Server columns show the	ACM MEC Application	2	2 Ack		2	
Control	permissions the program	Generic Host Process for Win32 Services	J	I MSE		x	
Antivirus	has for each Zone.	T htmldoc.exe	2	2	2	2	
Monitoring	Change a program's	🗾 java.exe	?	?	?	?	
E-mail Protection	left-clicking the icons in	🔏 Messenger	J	Ĵ	J	J	
	the Access or Server	Spooler SubSystem App	J	1	?	?	
Alerts & Logs	column.	SQL Server Service Manager	1	1	?	?	
		ZA Zone Labs Client	?	?	?	?	
		🖉 Entry Detail			[•1	
		Product name PDF Viewer			-		0.44
		LIE Hame C. WVINDOWSIPDE VIEWER.exe					<u>A</u> aa

4.3.7 Left-click to $\sqrt{\text{Allow}}$ both Access - Trusted/Internet and Server -Trusted/Internet on "PDF Viewer" for Great Eastern Life EMAS Project

Policy

Last policy update

•

Manually configured

Not applicable

Click here to upgrade to ZoneAlarm Pro.





Programs 🛦	Acc Trusted	ess Internet	Ser Trusted	ver Internet	G	
🍌 "PDF Viewer" for Great Eastern Life EMAS Project	1	1	1	1		
🖄 Adobe Acrobat 5.0	1	1	1	1		
AOM MFC Application	1	1	1	1		
Generic Host Process for Win32 Services	1	1	1	X		
tmldoc.exe	1	1	1	1		
🗂 java.exe	1	1	1	1		
🔏 Messenger	1	1	1	1		
🗂 Spooler SubSystem App	1	1	?	?		
🗂 SQL Server Service Manager	1	1	?	?		
ZA Zone Labs Client	?	?	?	?		

- 4.3.8 Repeat step 4.3.7 to √ Allow both Access Trusted/Internet and Server Trusted/Internet for the remaining following programs:
 - Adobe Acrobat 5.0
 - AOM MFC Application
 - Htmldoc.exe
 - Java.exe

ZA ZoneAlarm							_ 🗆 ×
ZONE		.		=ஃ	PROGR	AMS	
	Program Control			All	System Main	s Activ Pr	e ? Help ograms
Overview	These are programs that have tried to access the Internet or local network.	Programs A	Ace Trusted	ess Internet	Ser Trusted	ver Internet	î
Firewall	Access and Server	Adobe Acrobat 5.0	J	1		1	
Program Control	columns show the permissions the program	AOM MFC Application Generic Host Process for Win32 Services	J	4	J	J X	
Antivirus Monitoring E-mail Protection Alerts & Logs	has for each zone. Change a program's permissions by left-clicking the icons in the Access or Server column.	thrmidoc.exe java.exe Java.exe Souce SubSystem App Souce SubSystem App Souce Server Service Manager A Zone Labs Client		J J J J J Z ?	J J J ? ?	↓ ↓ ↓ ? ?	
		Entry Detail Product name File name C:\EMAS_TRAINING\jdk\bin\java Policy Manually configured Last policy update Not applicable	a.exe				<u>A</u> dd
Click here to upgra	◀ Hide Text ade to ZoneAlarm Pro.						

4.3.9 Close this screen to complete your manual configuration



4.4.0 Windows XP Service Pack 2 (Integrated Firewall)



- 4.4.1 Go to Start > Control Panel
- 4.4.2 Double-click on Windows Firewall





😻 Windows Firewall
General Exceptions Advanced
Windows Firewall is helping to protect your PC
Windows Firewall helps protect your computer by preventing unauthorized users from gaining access to your computer through the Internet or a network.
🕑 💿 On (recommended)
This setting blocks all outside sources from connecting to this computer, with the exception of those selected on the Exceptions tab.
Don't allow exceptions
Select this when you connect to public networks in less secure locations, such as airports. You will not be notified when Windows Firewall blocks programs. Selections on the Exceptions tab will be ignored.
0 Off (not recommended)
Avoid using this setting. Turning off Windows Firewall may make this computer more vulnerable to viruses and intruders.
What else should I know about Windows Firewall?
OK Cancel

4.4.3 Click on Exceptions Tab





👺 Windows Firewall	×
General Exceptions Advanced	
Windows Firewall is blocking incoming network connections, except for the programs and services selected below. Adding exceptions allows some programs to work better but might increase your security risk.	
Programs and Services:	
Name	
✓ File and Printer Sharing	
M Remote Desktop	
Windows Messenger	
Add Program Add Port Edit Delete	
Display a notification when Windows Firewall blocks a program	
What are the risks of allowing exceptions?	
OK Cancel	

4.4.4 Click on [Add Program...] button





Programs: Programs: Programs: Acrob Acrob Acrob Acrob Acrob Acrob Acrob Acrob Acrob Acrob Acrob Acrob Acrob Calibra Client Client Contro FreeC Hearts	at 4.x Conversion at 0.x Conversion at Distiller 5.0 vare SE Personal Acrobat 5.0 ation Connection Manag Network Utility oller Drop CD ell	ger	ch for one	t to the Exc that is not	isted.
Path:	C:\Program Files	\CIC\Sign-it E	EX VA croC		Browse

4.4.5 Click on [Browse] button

Browse			? ×
Look jn:	🕒 My Documents 💽	G 🤌 📂 🛄-	
	🔯 My Recent Documents		
	🕝 Desktop		
	👘 🕒 My Documents		_
My Recent	🚽 My Computer		_
Documents	4:)		_
	🥌 Local Disk (C:)		_
	🥪 Local Disk (D:)		_
Desktop	💽 CD Drive (E:)		
	😪 apps on '10.1.216.231' (Z:)		
	应 Shared Documents		_
	🛅 Administrator's Documents		
My Documents	🛅 My Documents		_
	🚅 Web Folders		_
	Ny Network Places		_
	🛅 200904-Alvin Wong-1002737		_
My Computer	🛅 CPUz		
	🛅 Desktop		_
	🛅 EMAS Installer		
	🛅 Fact Find Application		
My Network	File <u>n</u> ame:	▼	<u>O</u> pen
Places	Files of type: Applications (*.exe;*.com;*.icd)	•	Cancel
	,		

4.4.6 Under Look in, navigate to C:\emas\jdk\bin\java.exe



FUJITSU

Browse				? ×
Look jn:	🗁 bin		💽 🔇 🦻 🛤	-
My Recent Documents Desktop My Documents My Computer	 appletviewer.exe dt_shmem.dll dt_socket.dll Ejblog.log extcheck.exe HtmlConverter.bal idlj.exe jar jar.exe jarsigner.exe java java.exe javadoc.exe javah.exe 	 javap.exe javaw.exe jdb.exe jdb.exe jdwp.dll keytool.exe oldjava.exe oldjava.exe oldjavaw.exe oldjavaw.exe oldjdb.exe policytool.exe rmic.exe rmid.exe rmid.exe serialver.exe 	tnameserv.exe	
My Network	File <u>n</u> ame: ja	va.exe	•	<u>O</u> pen
Places	Files of type:	ll Files (*.*)	T	Cancel

4.4.7 Click [Open] button

i 🤫 👯 impor	and Erreat Date	-	
a Intern	t and Export Dat et Backgammon	a	-
Intern	et Checkers		
🦲 Intern	et Explorer		
💓 Intern	et Hearts		
🥭 Intern	et Reversi		
intern 🦉	et Spades		
🏐 Java'	Web Start		
🛄 java.e	xe Nata		
🎯 Lotus			
Twines	weepei		•
	C:\EMAS\idk\	√bin\java.exe	 Browse
Path:	To: initial date		
iava.e 🎯 Lotus	xe Notes weeper	.bin\java.exe	 Browse

4.4.8 Click [OK] button





🗱 Windows Firewall	×
General Exceptions Advanced	
Windows Firewall is blocking incoming network connections, except for the programs and services selected below. Adding exceptions allows some programs to work better but might increase your security risk.	
Programs and Services:	
Name	
✓ File and Printer Sharing	
✓ java.exe ✓ Bemote Assistance	
Remote Desktop	
UPnP Framework	
Windows Messenger	
Add Program Add Port Edit Delete	
Display a notification when Windows Firewall blocks a program	
What are the risks of allowing exceptions?	

4.4.9 Click $\left[\textbf{OK} \right]$ button to complete the manual configuration





4.5.0 Norman Personal Firewall



4.5.1 Go to Start > Program File > Norman Personal Firewall > Norman Personal Firewall

💯 Norman Personal Fir	ewall
*	Security
Status	Security Preference
Security	Local Intranet Intranet Deny All Ask First
5	
Parental Control	Drag the slider to set the security level for Active Content.
Privacy	Medium Automatically allow all cookies unless specifically blocked by user. Prompt me each time for ActiveX. Automatically allow all JavaScripts unless specifically blocked by user.
Active Content	Prompt me each time for Applets.
Log	Help Custom Reset Rules
Web	NORMAN

4.5.2 Click on **Security Icon** on the left task bar





4.5.3 Click [Rules] button

Action V Permit	TCP	 Direction Outgoing 	c:\WINDOWS\s	Any port	Address Any address
🧭 Permit	TCP	ntgoing 🔶 🔿	🗐 c:\Program Files	Any port	Any address
🧭 Permit	TCP	ntgoing	c:\WINDOWS\s	Any port	Any address
<					
	<u>A</u> dd	Modify	Delete		0

4.5.4 Click [Add] button

	Permit: Allow the connection	~		
irection:	Outgoing	~	Cance	el
'rotocol:	TCP + UDP	~	Help	8
	Application			
5 © Ap	Dication shown above	<u>B</u> rowse	o	s
Applicat	y application		Servic	Addres

4.5.5 Select "Application shown above"4.5.6 Click [Browse] button





Open	? 🛛
Look in: 🗁 bin	🕑 ઉ 🦻 📂 🛄-
appletviewer idlj dt_shmem.dll ijar dt_socket.dll jar Ejblog jarsigne extcheck ijava HtmlConverter java	iavac Sjdwp.dll i javadoc keytool i javah native2ascii i javap oldjava i javaw oldjavac i jdb oldjavaw i
File <u>n</u> ame: java	<u>O</u> pen
Files of type:	Cancel

4.5.7 Under Look in, navigate to *c:\emas\jdk\bin\java.exe*

Action:	Permit: Allow the connection	ОК
Direction:	Outgoing 🗸	Cancel
Protocol:	TCP + UDP	Help
C:\EMAS\i O Applicat O Any app	Application dk\bin\java.exe on shown above lication at the tab labelled "Service", "Application" or "Address" to acce	Service Service s individual options.

4.5.8 Click [OK] button





Action	Туре	Direction	Application	Local Port
🖉 Permit	TCP	→ Outgoing	c:\WINDOWS\system32\svchost.exe	Any port
🜠 Permit	TCP	🔶 Outgoing	c:\Program Files\Outlook Express\msimn	Any port
🔀 Permit	TCP	ntgoing	c:\WINDOWS\system32\sychost.exe	Any port
🖉 Permit	TCP + UDP	⇒ Outgoing	☑ c:\EMAS\jdk\bin\java	Any port
:		10		
	Add	<u>M</u> odify Pre-Defined	Delete Copy	0

4.5.9 Repeat steps **4.5.4** to **4.5.8** to add the remaining files listed below

File Name	Location
Acrobat.exe	c:\Program Files\Adobe\Acrobat 5.0\Acrobat\Acrobat.exe
Htmldoc.exe	c:\emas\htmldoc\htmldoc.exe
AOM.exe	c:\program files\common files\adobe\web\AOM.exe
PDFViewer.exe	c:\windows\PDFviewer.exe

ules				
Action	; Туре	Direction	Application	Local Port
V Permit	TCP	→ Outaoina	c:\WINDOWS\system32\sychost.exe	Any port
Rermit	TCP	→ Outgoing	c:\Program Files\Outlook Express\msimn.exe	Any port
😡 Permit	TCP	→ Outgoing	c:\WINDOWS\system32\sychost.exe	Any port
😡 Permit	TCP + UDP	→ Outgoing	c:\EMAS\jdk\bin\java.exe	Any port
😡 Permit	TCP + UDP	→ Outgoing	c:\EMAS\HTMLDOC\htmldoc.exe	Any port
😡 Permit	TCP + UDP	→ Outgoing	c:\Program Files\Common Files\Adobe\Web\AOM.exe	Any port
😡 Permit	TCP + UDP	→ Outgoing	🦾 c:\WINDOWS\PDFViewer.exe	Any port
Sermit 😡	TCP + UDP	⇒ Outgoing	c:\Program Files\Adobe\Acrobat 5.0\Acrobat\Acrobat.exe	Any port
<	<u>A</u> dd	<u>M</u> odi	iy Delete	<u>></u>
			OK Cancel	Help

4.5.10 Click **[OK]** button to complete the configuration





5. 3rd Party Pop-up Blocker Softwares

Please take note that E-MAS login page is considered as a popup. Please refrain from installing any 3rd party toolbars with popups blocker (ie: *Yahoo Toolbar, MSN Toolbar, Googles Toolbar, SearchNet Toolbar, Lycos/Hotbot Toolbar, Dogpile Toolbar, Altavista Toolbar, Ask Jeeves Toolbar and etc*) or others standalone popups blocker software that can prevent you from launching your e-mas login page.

🚰 www.anywhere-on-the-web.com - Microsoft Internet Explorer 📃 🗅 🔉
File Edit View Favorites Tools Help
🕒 Back 👻 🕘 👻 😰 🐔 🥙
Address 🖉 http://anywhere-on-the-web.com
🛛 🍸 🧷 type search here 🛛 Search Web 🖌 🗔 🗸 🛄 🕈 Bookmarks 🞬 Calendar 🔹 🖂 Mail 🔹 😕
Yahoo Toolbar
msn 🔹 🔎 Search 🔹 🥜 Highlight 💦 Options 🔀 Pop-ups Blocked (1) 👻 Hotmail 🖓 Messenger [🧟 My MSN
MSN Toolbar
Rest Search Engine in the World Popup Blocker
SearchNet 🛛 😧 SearchNet 🔹 🤯 News 🌟 Weather 🖂 Mail 🛃 1 blocked 20 GIs, 100 Iragis Killed Since Weeke
Quick Links to Weather, News, Mail
SerachNet Toolbar
<u>.</u>
Eile Edit View Favorites Iools Help
③ Back ▼ ③ ▼ 🖹 🖻 🏠
🗧 Google - 🚽 🐻 Search Web 🔹 🗗 49 Pop-ups blocked 👘 News 🍾 AutoFill 🔗
Google Toolbar
🗄 🐠 🕫 🐨 🔽 In the browser 🔽 🔍 Search
Hotbot/Lycos Toolbar
DCCPILE - Q web Search - The Web Fetch SHighlight of blocked - Respective Res
📔 🛃 🚽 🚽 🚽 🚽 🚽 🚽 👔 🔄 🚽 👔 👔 🚽 👔 🖓 Last Search the Web 🔹 🖓 Translate 🔹 🚀 Highlight 🛛 🔯 Dn: 3
Access AltaVista Search the Translate Highlight terms Popup Back to last
AltaVista indexes words and pages on the page Blocker result page
] 🤐enns' - 🔽 🧭 - 🎉 - 🌽 - 🏂 📀 - 🕅 📀 🔅 - 💹 - 8=
Ask Jeeves Toolbar