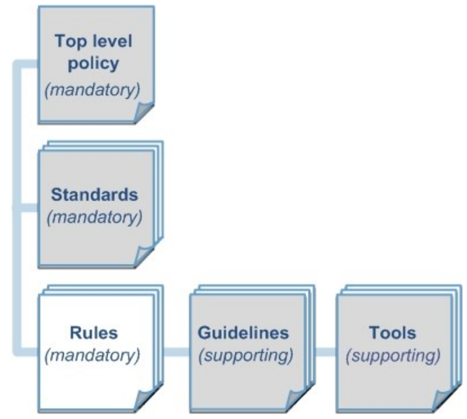
KPN Security Policy

KSP – Rule

Title	**Malware protection**	 Top level policy (mandatory) Standards (mandatory) Rules (mandatory) Guidelines (supporting) Tools (supporting)
ID	**KSP-FA05-RL05**	
Funct. Area	05 – System and Network security	
Date	29 July 2016	
Version	v2.3	
Status	Approved	
Owner	CISO	

Summary

This document defines the requirements needed to protect against malicious software. This rule document is applicable for each device linked with KPN that is susceptible to malicious software, i.e. that is not isolated from any network. Proven not-susceptible devices are out of scope.

Version history

Version	*Date*	*Comments*
v1.0	17 September 2013	Approved in SSM
v1.1	9 October 2013	Updated based on consistency check
v2.0	4 April 2014	Updated based on feedback in Q4 2013 and Q1 2014; KPN generic elements of ITS anti-malware policy adopted
v2.1	1 August 2014	Q2 policy update (extensive rework but no changes on essentials, some overlapping rules combined into 1, R05 removed as it conflicted with FA06-RL01)
v2.2	13 November 2015	Yearly review; only textual changes made.
v2.3	29 July 2016	R02: adjusted with a proper scope and choices are bound by the integrity checks from a platform. R08: automatic update removed, the immediate update is not changed (prio update). R09: scan cycle must not exceed 2 months. For dropzones there is an on-access policy.

Disclaimer

The content of this document is to describe KPN's policy on this specific topic. If and when this document is partly or fully disclosed to parties outside of KPN, it's important to hereby note towards those parties that this contains KPN's intended policy and cannot in any way be read or construed to be an explicit or implied formal guarantee or promise that its content can always be fully executed or complied to.

ID	KSP-FA05-RL05-R01
Title	Disk sharing
Description	Users must not create disk shares on their PCs or mobile computers and devices
Relating document	N/A

ID	KSP-FA05-RL05-R02
Title	Software from untrusted sources
Description	Software originating from sources other than the authorized source for a domain must not be used, installed or copied on KPN systems because such software can contain viruses, worms, Trojan horses, keyloggers, espionage-software, etc. • (Mobile) apps must be traceable back to the author • The integrity of the app must be guaranteed by the integrity controls provided by the (mobile) platform. • The user is responsible for checking and rejecting (mobile) apps when they are not originating from the expected company. • Disabling and/or tampering with the integrity controls is forbidden. The Google Play Store, AppStore from Apple, Microsoft Windows Store and Mobile Iron (and others) are solutions which use the platform systems integrity mechanisms best.
Relating document	N/A

ID	KSP-FA05-RL05-R03
Title	Scan of external files
Description	All data, software, email and other files being downloaded from external sources (including removable media) must be checked automatically with authorized anti-virus software for malicious software and email filtering, even in the case of an authorized source.
Relating document	N/A

ID	KSP-FA05-RL05-R06
Title	Centralized protection solution
Description	The malware protection measures used by device management parties must be centralized, automated and working without intervention (user-transparent); deactivation or bypassing of the protection against malicious software by the user must be prohibited: • Ability to disable the antivirus services; • Ability to disable or cancel a scheduled scan; • Ability to disable real time scanning; • Ability to modify scan policies.
Relating document	N/A

ID	KSP-FA05-RL05-R07
Title	Protection of Mobile Computers and Teleworking Systems
Description	The malware protection software must be automatically updated (with new configuration settings, new libraries and new versions of the software) when these devices are connected to the corporate network directly or remotely. Mobile computers and teleworking systems that have not connected and been updated for 3 months or longer must first be updated and scanned before a new connection is allowed.
Relating document	N/A

ID	KSP-FA05-RL05-R08
Title	Protection Software version and library updates
Description	Protection software (against malicious software) libraries- and version updates must immediately be updated after their release by software vendors.
Relating document	N/A
Possible exceptions	Updates might be limited to change windows or stopped during freeze periods.

ID	KSP-FA05-RL05-R09
Title	Full scan
Description	Periodically all files on all workstations and servers must be scanned for malware. For performance reasons, this may be an iterative scan. Scan cycles must be run as frequent as possible. The interval between two cycles must not be greater than 2 months. For file-shares, dropzones, FTP servers or managed file transfer services the files must be scanned (within the scope of the dropzone) with a scan on-access policy.
Relating document	N/A

ID	KSP-FA05-RL05-R10
Title	Access protection
Description	Besides pattern and heuristic malware scanning, anti-malware software must also support script scanning, buffer overflow protection and anti-tampering functionality (“Access Protection”).
Relating document	N/A

ID	KSP-FA05-RL05-R11
Title	Automated tools
Description	Automated tools must be deployed to monitor workstations, servers, and mobile devices for active, up-to-date anti-malware protection with anti-virus, anti-spyware, personal firewalls, and host-based IPS functionality.
Relating document	N/A

ID	KSP-FA05-RL05-R12
Title	Event management
Description	All malware detection events must be sent to enterprise anti-malware administration tool and event log servers. The alerts must be automatically dispatched to the correct administration teams by this tooling.
Relating document	KSP-FA05-RL06 - Logging and monitoring

ID	KSP-FA05-RL05-R13
Title	Updates of anti-malware engine
Description	Besides the daily signature updates, also the anti-malware engine should be kept up-to-date. If the anti-malware engine is updated manually, the vendor’s website should be checked periodically for new updates. After applying an update, automated systems should verify that each system has processed its update.
Relating document	N/A

ID	KSP-FA05-RL05-R14
Title	Signature updates
Description	Signature auto-update features must be deployed. Checks for updates must be done on a daily basis. After applying an update, automated systems must verify that each system has processed its signature update.
Relating document	N/A