



Technical requirements
UNIT4 Consist
Version 2013.05

Table of Contents

Introduction 3

General requirements 4

Client Reporting 6

CMS/PRS 7

eMapping 8

Easy @ccess BasePack..... 9

Easy @ccess ValuePack 10

e-Billing 11

Easy Reporting 12

Easy T@x..... 13

e-Transaction 14

FAK 15

FIS2000..... 16

Easy Info (FIS2000) 17

FIS2000 Online Approval 18

Fixed Assets Control 19

FMS 20

Easy Info (FMS) 21

FMS Decentralized Input of Liabilities 22

FMS Online Approval 23

Consist broker 24

Datawarehouse Manager..... 25

Open Digital Reporting..... 26

Smash/400 27

Spoolfile Manager 28

Consist Start 29

Time Connect 30

Interdependent UNIT4 Consist products..... 31

Introduction

This document describes the technical requirements for the financial systems of UNIT4 Consist.

These requirements may, of course, change when UNIT4 Consist brings out new releases or operating system or middleware suppliers bring out new releases.

Service Desk Support is only guaranteed for the last and last but one hardware and software configurations as laid down by UNIT4 Consist.

You should always check the most recent requirements carefully. You can find the most recent version of this document on the customer portal of UNIT4 (<https://selfservice.unit4.nl/sshd/login.asp>).

.

General requirements

The requirements for operating systems and middleware are the same for all UNIT4 Consist applications, unless otherwise indicated in this document. You can check whether a particular component is required for an application by referring to the section applying to the particular application. The operating system and middleware requirements are shown in the table below.

The workload on a server is strongly affected by the number of applications active on the server and the number of read and/or updated data items. It is rather difficult, not to say impossible, to evaluate the impact on the workload for various web applications (and especially for web applications of different suppliers). Make sure that you are properly informed about his issue.

In addition, the minimal values of, for instance, the internal memory are referred to in the general requirements document. The aforesaid minimal values apply to the use of any UNIT4 Consist web application, considering an average workload.

In short, it is possible that the minimum requirements are not sufficient to support all applications and/or to cope with the heavy workload. In this case, additional values need to be defined. Should you wish, you can outsource this task to UNIT4 Consist and its business partners (tasks such as fine tuning the WebSphere performance). This will undoubtedly result in an increasing performance of the web applications.

General requirements	
Application server installed on System i	IBM Websphere Application Server - Express 6.1 or higher with, for every version, the most recent group PTF package. http://www-03.ibm.com/servers/eserver/series/software/websphere/wsappserver/
Application server installed on PC server	Apache Tomcat version 6.0 or higher.
Web application installed on System i	IBM System i with POWER architecture processor and L2 cache and a minimum of 2 Gb internal memory reserved for WebSphere. A CPW (Commercial Processing Workload) of at least 1000 of the actual logical partition is recommended.
Web application installed on PC server	(Minimum) PC with Pentium 4 processor 2.0 Ghz and at least 1024 Mb internal memory, with 512 Kb L2-cache. Please note: increased requirements can apply depending on server usage.

Operating system System i	Release 5.4 or higher. The most recent cumulative PTF package must be loaded for every OS400 release. For information relating to the most recent cumulative PTF package, refer to the IBM site. You can find the site and the relevant information easily using the search term SF98540 or SF98610. The last 3 numbers correspond to the release number.	
Java Runtime Environment	System i	Java Developer Kit 1.5 (5.0) or higher
	PC server	Sun version 1.5 or higher
Browser (desktop user)	<i>User agent Mozilla/5.0</i> compatible browser or higher. Minimum: Firefox 2.0.0.9 or Microsoft Internet Explorer 7.0 or higher (including all patches and service packs). Minimum: Java Runtime Environment 1.5 or higher.	
Desktop user	Minimum Windows XP/Vista or higher and compatible with the selected browser. See Browser (desktop user).	
Operating system PC server	Windows 2000/2003	

Client Reporting

Hardware	
PC configuration	Free disk space of ± 2Mb Screen resolution of 1024 x 768
System software	
Microsoft Office	Office 2000, Office XP or Office 2003, Dutch or English
Desktop user	See General requirements .
UNIT4 software	
FMS or FIS2000	See Interdependent UNIT4 Consist products
Communication Component	

CMS/PRS

Hardware	
Operating system System i	See General requirements.
UNIT4 software	
FMS or FIS2000	See Interdependent UNIT4 Consist products
Easy @ccess	See Easy @ccess BasePack

eMapping

Hardware	
Installation on System i	IBM System i with POWER architecture processor and a minimum of 2 Gb internal memory reserved for WebSphere. A CPW (Commercial Processing Workload) of at least 1000 of the actual logical partition is recommended.
Installation on PC server	(Minimum) PC with Pentium 4 processor 2.0 Ghz and at least 1024 Mb internal memory. Please note: increased requirements can apply depending on server usage.
Desktop user	See General requirements .

System software	
Operating system System i	See General requirements .
Application server	See General requirements .
Java Runtime Environment (System i and PC server)	See General requirements .
Operating system PC server	See General requirements .
Browser (desktop user)	See General requirements .

UNIT4 software	
FMS or FIS2000	See Interdependent UNIT4 Consist products .

Easy @ccess BasePack

Hardware	
BasePack	(Minimum) PC with Pentium 4 processor 1.8 Ghz and at least 512 Mb internal memory. Requires a graphics card that supports a screen resolution of 1024x768 and 65,000 colours. The PC must be equipped with a CD-ROM drive.
Desktop user	Pentium 4, 1.8 Ghz, 512 Mb internal memory

System software	
Operating system System i	See General requirements .
Desktop user	See General requirements .

UNIT4 software	
BasePack	Version 4.0c12 (build 81)
Seagull License and Message Server	Version 4.33
Print file server	Version 1.00

Note: Easy @ccess BasePack is always delivered with new releases and PTFs for FMS, FIS2000, FAK and CMS/PRS.

Easy @ccess ValuePack

Hardware	
Value Pack	(Minimum) PC with Pentium 4 processor 2.0 Ghz and at least 1 Gb internal memory. The PC must be equipped with a CD-ROM drive
Desktop user	Pentium 4, 2.0 Ghz, 512 Mb internal memory

System software	
Operating system System i	See General requirements .
Desktop user	See General requirements .
Java Runtime Environment	See General requirements .
Operating system PC server	See General requirements .
Browser (desktop user)	See General requirements .
Firewall	Optional

UNIT4 software	
Jwalk server	Version 4.0c12 (build 81)

e-Billing

Hardware	
Installation on System i	See General requirements.
Installation on PC server	See General requirements.
System software	
Database on System i	IBM DB2 with JDBC driver (jtopen JDBC driver)
Operating system System i	See General requirements.
Java Runtime Environment	See General requirements.
Operating system PC server	See General requirements.
Database on PC server	MySQL 5.0 with JDBC driver
Desktop user	See General requirements.
Browser (desktop user)	See General requirements
Software	
PDF Viewer	Acrobat Reader 6.x or higher

Easy Reporting

Hardware	
Server	Personal Computer with modern Dual/Quad (Xeon) processor and at least 4 Gb internal memory. 12 Gb free disk space, of which 2 Gb is required for the database. The server must be equipped with a CD-ROM drive. For performance reasons, a dedicated server is recommended.

System software	
Database Server	MS SQL Server 2005 or higher (no express edition) Oracle 10G Release 2 IBM UDB 9.5 (DB2 for z/os or System i not supported)
Web Server	Microsoft IIS 6 IBM http Server 2.0.47 or higher Apache 2.0.48 or higher
Web Browser	Cookies and JavaScript enabled. If Internet Explorer 6.x is used: - Running ActiveX controls and plug-ins Script ActiveX controls safe for scripting Active Scripting. Please note: When developing reports, you must use Internet Explorer.
Operating system	Microsoft Windows Server 2003 SP2, Standard Edition; Microsoft Windows Server 2003 R2, Standard Edition; Microsoft Windows XP Professional SP1 and SP2; Microsoft Windows 2000 Professional Edition SP4 or higher.

Support for multiple authentication providers	
LDAP 3.0	
Microsoft Active Directory	
Windows NT LM	
Netegrity Site Minder	
Cognos Series 7 Namespace	

For more detailed information, see [Cognos Product information](#).
Easy Reporting is a state-of-the-art product that is continually being improved. We therefore advise you to consult the Cognos site for the most up-to-date information. You can use the above link or the link [Cognos products](#) to check the latest version of Cognos 8 Business Intelligence.
For the hardware environment you are referred to the link [Cognos supported hardware](#).

Easy T@x

Hardware	
IBM System i	Mail connection with internet.
Desktop user	The PC must be equipped with a CD-ROM drive. It must be possible to communicate with the System i via FTP.

System software	
Operating system System i	See General requirements .
Java Runtime Environment	See General requirements .
Crypto Access Provider	Crypto Access Provider 128-bit
Desktop user	See General requirements .

UNIT4 software	
FMS or FIS2000	See Interdependent UNIT4 Consist products

Ports for communicating with Tax Office	
To ensure that messages can be sent to the Tax Office electronically, there must be a TCP/IP connection between the Internet and the server on which UNIT4 software and Easy T@x is installed. The following ports (with port numbers) on the server and/or on the firewall must be open for the following services:	
SMTP	587
SMTPS	465 (secure)
IMAP4	143
IMAPS	993 (secure)
LDAP	389
FTPF	6374 and 32000 up to 32199 (only for FOS)

FTPS is passive and therefore the data port range 32000 up to 32199 is also used.

e-Transaction

Hardware	
Installation on System i	IBM System i with POWER architecture processor and at least 2 Gb internal memory reserved for WebSphere. A CPW (Commercial Processing Workload) of at least 1000 of the actual logical partition is recommended.
Installation on PC server	(Minimum) PC with Pentium 4 processor 2.0 Ghz and at least 1024 Mb internal memory. Please note: increased requirements can apply depending on server usage.
Desktop user	See General requirements .
System software	
Operating system System i	See General requirements .
Application server	See General requirements .
Java Runtime Environment (System i and PC server)	See General requirements .
Operating system PC server	See General requirements .
Browser (desktop user)	See General requirements .
UNIT4 software	
FMS or FIS2000	See Interdependent UNIT4 Consist products .

FAK

Hardware	
Operating system System i	See General requirements.
UNIT4 software	
FMS or FIS2000	See Interdependent UNIT4 Consist products
Easy @ccess	See Easy @ccess BasePack

FIS2000

Hardware	
Operating system System i	See General requirements.

UNIT4 software	
FAKFIS	See Interdependent UNIT4 Consist products
Easy @ccess	See Easy @ccess BasePack

Easy Info (FIS2000)

Hardware	
Installation on System i	IBM System i with POWER architecture processor and at least 8 Gb internal memory reserved for WebSphere. A CPW (Commercial Processing Workload) of at least 1000 of the actual logical partition is recommended.
Installation on PC server	It is not possible to install Easy Info (FIS2000) on a PC server.
Desktop user	Windows XP/Vista - and compatible with the selected browser. See Browser (desktop user). Minimum: 1GB RAM. Processor with at least 2GHz processor speed.

System software	
Operating system System i	Release 6.1 or higher. The most recent cumulative PTF package must be loaded for every OS400 release. For information relating to the most recent cumulative PTF package, refer to the IBM site.
Application server	IBM Websphere Application Server - Express 6.1 or higher with, for every version, the most recent group PTF package. http://www-03.ibm.com/servers/eserver/series/software/websphere/wsappserver/
Java Runtime Environment (System i and PC server)	See General requirements .
Operating system PC server	It is not possible to install Easy Info (FIS2000) on a PC server.
Browser (desktop user)	See General requirements .

UNIT4 software	
FIS2000	See Interdependent UNIT4 Consist products .

FIS2000 Online Approval

Hardware	
Installation on System i	See General requirements.
Installation on PC server	See General requirements.

System software	
Operating system System i	See General requirements.
Java Runtime Environment	See General requirements.
Operating system PC server	See General requirements.
Desktop user	See General requirements.
Browser (desktop user)	See General requirements.

UNIT4 software	
FIS2000	See Interdependent UNIT4 Consist products.

Software	
IBS WebViewer	Version 2.2
Netbrand Viewer	2007.B3

Fixed Assets Control

Hardware	
Web application installed on System i	See General requirements . As regards the printing functionality, you must install the license program Portable Application Solutions Environment (PASE) on your System i.
Web application installed on PC server	See General requirements .
Database	The data library is installed on an IBM System i. The System i must have an L2 Cache.
Desktop user	See General requirements .

System software	
Database	IBM DB2
Operating system System i	See General requirements .
Application server	See General requirements .
Java Runtime Environment (System i and PC server)	See General requirements .
Operating system PC server	See General requirements .
Browser (desktop user)	See General requirements .

UNIT4 software	
FMS or FIS2000	See Interdependent UNIT4 Consist products

FMS

Hardware	
Operating system System i	See General requirements.
UNIT4 software	
FAKFMS	See Interdependent UNIT4 Consist products
Easy @ccess	See Easy @ccess BasePack

Easy Info (FMS)

Hardware	
Installation on System i	IBM System i with POWER architecture processor and at least 8 Gb internal memory reserved for WebSphere. A CPW (Commercial Processing Workload) of at least 1000 of the actual logical partition is recommended.
Installation on PC server	It is not possible to install Easy Info (FMS) on a PC server.
Desktop user	Windows XP/Vista - and compatible with the selected browser. See Browser (desktop user). Minimum: 1GB RAM. Processor with at least 2GHz processor speed.

System software	
Operating system System i	Release 6.1 or higher. The most recent cumulative PTF package must be loaded for every OS400 release. For information relating to the most recent cumulative PTF package, refer to the IBM site.
Application server	IBM Websphere Application Server - Express 6.1 or higher with, for every version, the most recent group PTF package. http://www-03.ibm.com/servers/eserver/series/software/websphere/wsappserver/
Java Runtime Environment (System i and PC server)	See General requirements .
Operating system PC server	It is not possible to install Easy Info (FMS) on a PC server.
Browser (desktop user)	See General requirements .

UNIT4 software	
FMS	See Interdependent UNIT4 Consist products .

FMS Decentralized Input of Liabilities

Hardware	
Installation on System i	See General requirements .
Installation on PC server	(Minimum) PC with Pentium 4 processor 2.0 Ghz and at least 1024 Mb internal memory & 512 Kb L2 Cache. Please note: increased requirements can apply depending on server usage.

System software	
Operating system System i	See General requirements .
Java Runtime Environment	See General requirements installed on System i/i5.
Operating system PC server	See General requirements .
Desktop user	See General requirements .
Browser (desktop user)	Microsoft Internet Explorer 7.0 (including all patches and service packs).

UNIT4 software	
FMS	See Interdependent UNIT4 Consist products .

Software	
Adobe Acrobat Reader	Version 7 or higher.

FMS Online Approval

Hardware	
Installation on System i	See General requirements.
Installation on PC server	See General requirements.
System software	
Operating system System i	See General requirements.
Java Runtime Environment	See General requirements.
Operating system PC server	See General requirements.
Desktop user	See General requirements.
Browser (desktop user)	See General requirements.
UNIT4 software	
FMS	See Interdependent UNIT4 Consist products.
Software	
IBS WebViewer	Version 2.2
Netbrand Viewer	2007.B3

Consist broker

Hardware		
Installation on System i	See General requirements.	
Installation on PC server	See General requirements.	
System software		
Operating system System i	See General requirements.	
Java Runtime Environment	System i	Java Developer Kit 1.5 or higher
	PC server	Sun version 1.5 or higher
Operating system PC server	See General requirements.	
Desktop user	See General requirements.	
Browser (desktop user)	See General requirements.	
UNIT4 software		
FMS	See Interdependent UNIT4 Consist products	

Datawarehouse Manager

Hardware		
Installation on System i	See General requirements	
Installation on PC server	See General requirements	
System software		
Operating system System i	See General requirements	
Java Runtime Environment	System i	Java Developer Kit 1.5 or higher
	PC server	Sun version 1.5 or higher
Operating system PC server	See General requirements	
Desktop user	See General requirements	
Browser (desktop user)	See General requirements	
Database Server	MS SQL Server 2005 (No Express Edition)	
UNIT4 software		
FIS2000	See Interdependent UNIT4 Consist products	
FMS	See Interdependent UNIT4 Consist products	
CMS/PRS	See Interdependent UNIT4 Consist products	
Time Connect	See Interdependent UNIT4 Consist products	

Open Digital Reporting

Hardware	
Desktop user	PC with Pentium 4 processor 2.0 Ghz and at least 512 Mb internal memory. The PC must be equipped with a CD-ROM drive.
System software	
Operating system System i	See General requirements . The standard programs licensed under OS400 must be installed on the System i.
Desktop user	See General requirements .
Microsoft XML Parser Server pack 2	You can download the XML Parser free of charge from www.microsoft.nl .

Smash/400

Hardware	
Desktop user	Personal Computer
System software	
Operating system System i	At least V3R1M0
Operating system PC server	Windows 98, Windows ME, Windows NT, Windows 2000. (Smash/400 does not run under Windows XP.)
Communication between PC and System i	IBM Client Access

Spoolfile Manager

Hardware	
Installation on System i	See General requirements .
Installation on PC server	(Minimum) PC with Pentium 4 processor 2.0 Ghz and at least 1024 Mb internal memory & 512 Kb L2 Cache. Please note: increased requirements can apply depending on server usage.

System software	
Operating system System i	See General requirements .
Java Runtime Environment	See General requirements installed on System i/i5.
Operating system PC server	See General requirements .
Desktop user	See General requirements .
Browser (desktop user)	Microsoft Internet Explorer 7.0 (including all patches and service packs).

UNIT4 software	
FMS or FIS2000	See Interdependent UNIT4 Consist products

Software	
Adobe Acrobat Reader	Version 7 or higher.

Spool files for the 'SNA Character Stream' (*SCS) printer type are supported by the Spoolfile Manager. However, printer types like AFPDS are not supported.

Consist Start

Hardware	
Installation on System i	IBM System i with POWER architecture processor and a minimum of 2 Gb internal memory reserved for WebSphere. A CPW (Commercial Processing Workload) of at least 1000 of the actual logical partition is recommended.
Installation on PC server	(Minimum) PC with Pentium 4 processor 2.0 Ghz and at least 1024 Mb internal memory. Please note: increased requirements can apply depending on server usage.
Desktop user	See General requirements .

System software	
Operating system System i	See General requirements .
Application server	See General requirements .
Java Runtime Environment (System i and PC server)	See General requirements .
Operating system PC server	See General requirements .
Browser (desktop user)	See General requirements .

UNIT4 software	
Related systems	See Interdependent UNIT4 Consist products .

Time Connect

Hardware	
Web application installed on System i	See General requirements.
Web application installed on PC server	See General requirements.
Database	The data library is installed on an IBM System i. The System i must have an L2 Cache.
Desktop user	See General requirements.
System software	
Operating system System i	See General requirements.
Application server	See General requirements.
Java Runtime Environment (System i and PC server)	See General requirements.
Operating system PC server	See General requirements.
Browser (desktop user)	See General requirements.
UNIT4 software	
FMS or FIS2000	See Interdependent UNIT4 Consist products

Interdependent UNIT4 Consist products

Some UNIT4 Consist products are interdependent. The following table lists the UNIT4 Consist products that are dependent on each other.

Product	Version		Dependent@ product	Min. Release	
	Release	PTF		Required	PTF
FIS2000	2010.01	003	FAKFIS	7.0	003
			Jwalk Java Client (Valuepack)	4.2c3	
			Jwalk Windows Client (Basepack)	4.2c3	
			Central Library	10.11	
			Fixed Assets Control	2010.02	
			For last advised release see: https://selfservice.unit4.nl/sshd/login.asp		
			e-Transaction	2012.01	
			E_Mapping	2011.03	
			Time Connect	2010.03	
			Easy T@x (Easy Secure Transfer)	1.4	
			CMS/PRS	2011.01	005
			Secure Transfer	V2	
FIS2000	2012.01	001	FAKFIS (e-Billing)	7.1	001
			FAKFIS (excluding e-Billing)	6.01	007
			SpoolFile Manager	2011.02	001
			Online Approval	004	03
			Jwalk Java Client (Valuepack)	4.2c3	
			Jwalk Windows Client (Basepack)	4.2c5	
			Central library	10.11	
			Fixed Assets Control	2012.01	001
			For last advised release see: https://selfservice.unit4.nl/sshd/login.asp		
			e-Transaction	2012.01	
			E_Mapping	2012.02	
			Time Connect	2010.03	
			Easy T@x (Easy Secure Transfer)	1.4	
			CMS/PRS	2012.01	
			Secure Transfer	V2	
FIS2000 Online Approval	2012.01	001	FIS2000	2012.01	001
			UNIT4 WebViewer	2.13	
			IBM Content manager	Version 5.3 or higher	
			On-Base	11.01	
FMS	8.1	026	FAKFMS	7.0	003
			Jwalk Java Client (Valuepack)	4.2c3	
			Jwalk Windows Client (Basepack)	4.2c3	
			Central Libray	10.11	
			Fixed Assets Control	2008.01	
			e-Mapping	2011.03	
			e-Transaction	2012.01	
			Time Connect	2010.03	

			Easy T@x (Easy Secure Transfer)	1.4	
			CMS/PRS	2011.01	005
			Secure Transfer	V2	
FMS Decentralized Input Liabilities	8.1	026	FMS	8.1	026
FMS Online Approval	8.1	026	FMS	8.1	026
			UNIT4 Webviewer	2.13	
			IBM Content manager	Version 5.3 or higher	
			On-Base	11.01	
Consist broker	2011.07		FMS	8.1	026
CMS/PRS	2012.01	004	FIS2000	2010.01	003
			FMS	8.1	022
			FAKFIS	7.0	005
			FAKFMS	7.0	005
			e-Mapping	2012.01	
			e-Transaction	2012.01	
			Time Connect	2013.01	
			Jwalk Java Client (Valuepack)	4.2C3	
			Jwalk Windows Client (Basepack)	4.2C5	
			Central library	10.11	
CMS/PRS	2012.01	003	FIS2000	2010.01	003
			FMS	8.1	022
			FAKFIS	7.0	005
			FAKFMS	7.0	005
			e-Mapping	2012.01	
			e-Transaction	2012.01	
			Time Connect	2010.02	
			Jwalk Java Client (Valuepack)	4.2C3	
			Jwalk Windows Client (Basepack)	4.2C5	
			Central library	10.11	
CMS/PRS	2011.01	005	FIS2000	2010.01	003
			FMS	8.1	022
			FAKFIS	7.0	002
			FAKFMS	7.0	002
			e-Mapping	2012.01	
			e-Transaction	2012.01	
			Time Connect	2010.02	
			Jwalk Java Client (Valuepack)	4.2c3	
			Jwalk Windows Client (Basepack)	4.2c3	
			Central Library	10.11	
Fixed Assets Control	2012.01		FIS2000	2010.01	001
			FMS	8.1	025
Fixed Assets Control	2011.02		FIS2000	2008.01	003
			FMS	8.1	016
EasyInfo (FIS2000)	2012.01	001	FIS2000	2009.01	002

EasyInfo (FMS)	2012.01	001	FMS	8.1	016
e-Billing			FAKFIS	6.0	002
			FAKFMS	6.1	004
e-Transaction	2009.01		FIS2000	2008.01	000
			CMS/PRS	2009.01	000
			FMS	8.1	006
			FAKFIS	6.1	005
			FAKFMS	6.1	008
e-Transaction	2012.01		FIS2000	2010.01	001
			CMS/PRS	2011.01	005
			FMS	8.1	023
			FAKFIS	6.1	005
			FAKFMS	6.1	011
e-Transaction	2012.02		FIS2000	2012.01	001
			CMS/PRS	2011.01	005
			FMS	8.1	025
			FAKFIS	6.1	005
			FAKFMS	6.1	011
eMapping	2012.01		FIS2000	2010.01	001
			FMS	8.1	022
Datawarehouse Manager	2011.01		FIS2000	2010.01	003
			FMS	8.1	014-027
Dependencies relate to the datawarehouse definitions			Time Connect	2010.03	
			CMS/PRS	2011.01	001-005
Spoolfile Manager	2011.02		FIS2000	2009.01	002
			FMS	8.1	014
			FAKFIS	6.1	006
			FAKFMS	6.1	009
Consist Start	2013.01		FIS2000 Online Approval	004.03	
			FMS Online Approval	08.01	028
			FMS Import Liability	08.01	029
			e-Fakturatie FAK	07.01	001
			Fixed Assets Control	2012.02	
			Easy Info (FIS2000 en FMS)	2012.01	002
			Spoolfile Manager	2011.02	001
			Datawarehouse Manager	2012.01	001
			Multi matching	2012.02	
			Time Connect	2010.03	004
			e-Mapping	2012.02	
			e-Transaction	2012.02	
Time Connect	2009.01		FIS2000	2008.01	000
			CMS/PRS	2009.01	001
			Adobe Reader	7.0	or higher
			TMS	2004.01	or higher

