



***Softek TDMF for z/OS  
Installation Assurance Guide for V4R1.0***

## REVISION NOTICE

This is the second release of this Installation Assurance Guide.

## ABSTRACT

The Installation Assurance Guide (TDM-Z411A-002) for Softek TDMF for z/OS Version 4 Release 1.0 ensures that proper installation of the product and tool can be achieved.

## FOR FURTHER INFORMATION

If you wish to obtain further information about Softek TDMF, please contact your Account Executive.

## RESTRICTIONS ON USE

The following terms are registered or common law trademarks of International Business Machines Corporation in the United States, other countries, or both: AIX®, IBM, the IBM logo, ibm.com, OS/390®, OS/400®, Softek, Softek TDMF, z/OS®, and zSeries®

Intel and Itanium are trademarks or registered trademarks of Intel Corporation or its subsidiaries in the United States and other countries.

Microsoft and Windows are trademarks of Microsoft Corporation in the United States, other countries, or both.

UNIX is a registered trademark of The Open Group in the United States and other countries.

Linux is a registered trademark of Linus Torvalds in the United States, other countries, or both.

Other company, product and service names may be trademarks or registered trademarks or service marks of others.

The information contained in this documentation is provided for informational purposes only. While efforts were made to verify the completeness and accuracy of the information contained in this documentation, it is provided "as is" without warranty of any kind, express or implied. In addition, this information is based on IBM's current product plans and strategy, which are subject to change by IBM without notice. IBM shall not be responsible for any damages arising out of the use of, or otherwise related to, this documentation or any other documentation. Nothing contained in this documentation is intended to, nor shall have the effect of, creating any warranties or representations from IBM (or its suppliers or licensors), or altering the terms and conditions of the applicable license agreement governing the use of IBM software.

This information was developed for products and services offered in the U.S.A.

IBM may not offer the products, services, or features discussed in this document in other countries. Consult your local IBM representative for information on the products and services currently available in your area. Any reference to an IBM product, program, or service is not intended to state or imply that only that IBM product, program, or service may be used. Any functionally equivalent product, program, or service that does not infringe any IBM intellectual property right may be used instead. However, it is the user's responsibility to evaluate and verify the operation of any non-IBM product, program, or service.

IBM may have patents or pending patent applications covering subject matter described in this document. The furnishing of this document does not give you any license to these patents. You can send license inquiries, in writing, to:

IBM Director of Licensing  
IBM Corporation  
North Castle Drive  
Armonk, NY 10504-1785  
U.S.A.

For license inquiries regarding double-byte (DBCS) information, contact the IBM Intellectual Property Department in your country or send inquiries, in writing, to:

IBM World Trade Asia Corporation  
Licensing  
2-31 Roppongi 3-chome, Minato-ku  
Tokyo 106-0032, Japan

The following paragraph does not apply to the United Kingdom or any other country where such provisions are inconsistent with local law: INTERNATIONAL BUSINESS MACHINES CORPORATION PROVIDES THIS PUBLICATION "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO,

THE IMPLIED WARRANTIES OF NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Some states do not allow disclaimer of express or implied warranties in certain transactions, therefore, this statement may not apply to you.

This information could include technical inaccuracies or typographical errors. Changes are periodically made to the information herein; these changes will be incorporated in new editions of the publication. IBM may make improvements and/or changes in the product(s) and/or the program(s) described in this publication at any time without notice.

Any references in this information to non-IBM Web sites are provided for convenience only and do not in any manner serve as an endorsement of those Web sites. The materials at those Web sites are not part of the materials for this IBM product and use of those Web sites is at your own risk.

IBM may use or distribute any of the information you supply in any way it believes appropriate without incurring any obligation to you.

Licensees of this program who wish to have information about it for the purpose of enabling: (i) the exchange of information between independently created programs and other programs (including this one) and (ii) the mutual use of the information which has been exchanged should contact:

IBM Global Services  
IBM Corporation  
Route 100  
Somers, NY 10589  
U.S.A.

Such information may be available, subject to appropriate terms and conditions, including in some cases, payment of a fee.

The licensed program described in this information and all licensed material available for it are provided by IBM under terms of the IBM Customer Agreement, IBM International Program License Agreement, or any equivalent agreement between us.

Any performance data contained herein was determined in a controlled environment. Therefore, the results obtained in other operating environments may vary significantly. Some measurements may have been made on development-level systems and there is no guarantee that these measurements will be the same on generally available systems. Furthermore, some measurements may have been estimated through extrapolation. Actual results may vary. Users of this document should verify the applicable data for their specific environment.

Information concerning non-IBM products was obtained from the suppliers of those products, their published announcements or other publicly available sources. IBM has not tested those products and cannot confirm the accuracy of performance, compatibility or any other claims related to non-IBM products. Questions on the capabilities of non-IBM products should be addressed to the suppliers of those products.

© Copyright IBM Corporation 2008

All rights reserved. Printed in Canada.

All specifications are subject to change without notice.

# Contents

PURPOSE .....	5
SOFTEK TDMF FOR Z/OS PRE-INSTALLATION CHECKLIST .....	6
SOFTEK TDMF FOR Z/OS POST-INSTALLATION CHECKLIST.....	7
SOFTEK TDMF FOR Z/OS POST-INSTALLATION CHECKLIST - TRANSITIONING FROM SOFTEK REPLICATOR FOR Z/OS.....	9
SOFTEK TDMF FOR Z/OS SESSION ASSISTANT PRE-INSTALLATION CHECKLIST .....	10
SOFTEK TDMF FOR Z/OS SESSION ASSISTANT POST-INSTALLATION CHECKLIST .....	11
REVISION HISTORY .....	12

# Purpose

The intent of this document is to ensure the proper installation and use of the Softek TDMF for z/OS software and tools. It is recommended that the appropriate *Softek TDMF for z/OS Installation and Reference Guide (TDM-Z41IR)* and *Softek TDMF for z/OS Session Assistant manual (TDM-Z41SA)* be reviewed and on hand during this process.

If there are questions or concerns, please contact Technical Support:

- Germany, Ireland, Italy, and UK: 00-800-6676-3835
- All Other European Countries: +1 918-281-2623
- USA: +1 800 667 6383
- Australia: 0011-800-6676-3835
- Hong Kong: 001-800-6676-3835
- Japan: 001-800-667-63835
- South Korea: 002-800-6676-3835
- Philippines: 00-800-6676-3835
- All Other Countries: +800-667-6383
- Alternate number: +1 918-281-2623

Alternatively, an email may be sent to Technical Support at [DMSzos@us.ibm.com](mailto:DMSzos@us.ibm.com)

## Customer Information:

Customer Site ID: \_\_\_\_\_  
Site Address: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## Software Key Information:

CPU S/N	Model	CPU S/N	Model
1		9	
2		10	
3		11	
4		12	
5		13	
6		14	
7		15	
8		16	

See the *Softek TDMF for z/OS Installation and Reference Guide*, Appendix B, (*TDM-Z41IR*) to determine CPU Serial Numbers.

# Softek TDMF for z/OS Pre-Installation Checklist

It is extremely important that the following tasks be performed prior to the installation of the Softek TDMF for z/OS product. Please refer to the *Softek TDMF for z/OS Installation and Reference Guide (TDM-Z41IR)* for more detail related to each task.

TASK	DESCRIPTION	
1	Softek TDMF for z/OS software keys <sup>1</sup> requested / received from IBM?	Yes [ ] No [ ]
2	Internet access <sup>2</sup> available?	Yes [ ] No [ ]
3	Registration on the Softek TDMF for z/OS Technical Support page for automatic notification of web site updates? <sup>3</sup>	Yes [ ] No [ ]
4	Required IBM Maintenance document reviewed and applicable PTFs applied?	
	MVS	Yes [ ] No [ ]
	DFSMS	Yes [ ] No [ ]
	JES3	Yes [ ] No [ ]
	D/T 2105 (ESS or "Shark")	Yes [ ] No [ ]
5	Storage Subsystems support Extended Count-Key-Data (ECKD) Channel Command Words (CCWs)?  Older subsystems (pre-3990) may support a subset of the ECKD CCW, which is not sufficient for use with Softek TDMF for z/OS.	Yes [ ] No [ ]
6	Current Softek TDMF for z/OS PTF and fixes downloaded and applied? <sup>2</sup>	Yes [ ] No [ ]
7	MVS executing under VM as a guest machine?  If yes, see Chapter 4, topics ' <i>Migration of Volumes Formatted for VM Use</i> ', ' <i>MVS Running Under VM</i> ', ' <i>Using Devices Previously Formatted for VM</i> ', ' <i>VM Volume Tolerance</i> '	Yes [ ] No [ ]

<sup>1</sup> A User ID and Password is required for information that is to be obtained from the Softek TDMF for z/OS Technical Support web site. Receipt of keys ensures that information will be retrievable.

<sup>2</sup> All Softek TDMF for z/OS PTFs, documentation and Technical Information Bulletins (TIBs) are available via the Technical Support web site. The URL for this site is:  
<http://www.softek.com/en/support/tdmf/zos/>

<sup>3</sup> By registering on the Softek TDMF for z/OS Technical Support web site ("Notification Registry"), automatic notification of all updates (PTFs, TIBs, etc.) and announcements will be sent to those users who are registered. This service provides our customers with timely and important information regarding Softek TDMF for z/OS.

## Softek TDMF for z/OS Pre-Installation Checklist - continued

TASK	DESCRIPTION	
8	Is this a JES3 environment? See Chapter 4, topic ' <i>JES3 Considerations</i> '	Yes [ ] No [ ]
9	Are four (4) digit UCBs in use? See Chapter 4, topics ' <i>Static, Installation Static and Dynamic Devices</i> ', ' <i>Unit Control Blocks Above the 16Mb Line</i> '	Yes [ ] No [ ]
10	Have MIM or GRS parameters been set to support Softek TDMF for z/OS? See Chapter 4, topics ' <i>Unicenter CA-MIM Resource Sharing</i> ' or ' <i>Global Resource Serialization</i> '	Yes [ ] No [ ]
11	Is BrightStor CA-ASTEX in use? See Chapter 4, topic ' <i>BrightStor CA-ASTEX Performance</i> '	Yes [ ] No [ ]
12	Source and Target volumes have the same volume serial number across all systems? While the device address of a volume may be different between LPARs, the volume serial number must be the same.	Yes [ ] No [ ]

## Softek TDMF for z/OS Post-Installation Checklist

TASK	DESCRIPTION	
1	Plans to migrate IPL, Spool or Checkpoint volumes? See Chapter 4, topics ' <i>HCD and IODF Files</i> ', ' <i>IPL Volumes</i> ', ' <i>JES Checkpoint and Spool Volumes</i> '	Yes [ ] No [ ]
2	Moving from smaller to larger devices? See Chapter 4, topics ' <i>ICKDSF</i> ', ' <i>Migration of RAID and Non-RAID Devices</i> ', ' <i>Migration of Unlike Device Types</i> '	Yes [ ] No [ ]
3	Does HLQ.TDM410.TDMLLIB have read/write authority? See Chapter 2, topic ' <i>Security</i> '	Yes [ ] No [ ]
4	Will the System Authorization Facility (SAF) be invoked with Softek TDMF for z/OS? See Chapter 2, topic ' <i>System Authorization Facility</i> '	Yes [ ] No [ ]
5	Determine the number of LPARs involved for each Softek TDMF for z/OS session. See Chapter 4, topics ' <i>Number of Softek TDMF for z/OS Sessions</i> ', ' <i>Number of Groups per Session</i> ', ' <i>Number of Volumes per Session</i> '	Yes [ ] No [ ]

## Softek TDMF for z/OS Post-Installation Checklist - continued

TASK	DESCRIPTION	
6	Determine Master System. See Chapter 3, topic ' <i>Placement of the Master System</i> '	
7	Define all Agent Systems.	
8	Is there a File Allocation Manager in use? See Chapter 3, topic ' <i>Placement of the Communications Data Set</i> ' and Chapter 4, topic ' <i>File Allocation Managers</i> '	Yes [ ] No [ ]
9	Is Caching turned off at the volume level prior to starting a Softek TDMF for z/OS Session? See Chapter 3, topic ' <i>Storage Subsystem Performance</i> ' and Chapter 4, topics ' <i>Cache Fast Write and Sort Programs</i> ', ' <i>Model 204 Considerations</i> '	Yes [ ] No [ ]
10	Target volumes under DFSMS control? See Chapter 4, topic ' <i>Data Facility Products, DFSMS</i> '	Yes [ ] No [ ]
11	Source volumes not participating in a duplexing function? See Chapter 4, topics ' <i>Duplexing Functions</i> ', ' <i>Peer-to-Peer Remote Copy Support</i> ', ' <i>XRC Support</i> '	Yes [ ] No [ ]
12	Source volumes not participating in extended functions? See Chapter 4, topic ' <i>Extended Functions</i> '	Yes [ ] No [ ]
13	Source volumes contain active Local page or Swap data set? See Chapter 4, topic ' <i>Page and Swap Data Sets</i> '	Yes [ ] No [ ]
14	Is Model 204 installed? See Chapter 4, topic ' <i>Model 204 Considerations</i> '	Yes [ ] No [ ]
15	EMC storage subsystems installed? See Chapter 4, topic ' <i>EMC DASD</i> '	Yes [ ] No [ ]
16	RAID storage subsystems installed? See Chapter 3, topic ' <i>Raid Subsystems and Rank Contention</i> ' and Chapter 4, topic ' <i>Migration of RAID and Non-RAID Devices</i> '	Yes [ ] No [ ]
17	ISPF Keylist function enabled? See Chapter 2, <i>Post-Installation Tailoring, Item 8</i>	Yes [ ] No [ ]
18	Enable Softek TDMF for z/OS TSO Monitor function via ISPF Option 6 (TSO commands)? See Chapter 2, <i>Post-Installation Tailoring, Item 6</i>	Yes [ ] No [ ]

## Softek TDMF for z/OS Post-Installation Checklist - Transitioning from Softek Replicator for z/OS

If you are converting or updating from Softek Replicator for z/OS Version 3, use the following checklist to ensure a smooth and problem-free transition. Please refer to the *Softek TDMF for z/OS Installation and Reference Guide (TDM-Z41IR)* for more details related to each task.

TASK	DESCRIPTION	
1	Softek TDMF for z/OS Version 4 Release 1.0 installation completed?	Yes [ ] No [ ]
2	All Softek TDMF for z/OS PTFs and PE zaps applied?	Yes [ ] No [ ]
3	During installation the data set names for the <i>Softek TDMF for z/OS</i> were specified in the format of HLQ.TDM410.TDMXXXX Your previous production JCL(s) may still contain references to datasets in the format of HLQ.SDR3xx.SDRXXXX. Have you changed the data set names in your production JCL(s)?	Yes [ ] No [ ]
4	Your previous production JCL(s) may still contain references to the program names of SDRPMAIN, or some variation of this, such as SDRPXXXX. Although Softek TDMF, Version 4.1.0, is upward compatible concerning program names, we suggest that the program names be changed to the TDMF format. Have you changed the program names in your production JCL(s)?	Yes [ ] No [ ]
5	Do you or did you employ the Automated Operations option in Softek Replicator for z/OS?  If Yes, review the note in the <i>Softek TDMF for z/OS Installation and Reference Guide s (TDM-Z41IR)</i> , under the section entitled <i>Auto-Operations Interface</i> .  <i>If you did NOT change your program names in the previous step, no changes are required for upward compatibility.</i>	Yes [ ] No [ ]

# Softek TDMF for z/OS Session Assistant Pre-Installation Checklist

Softek TDMF for z/OS Session Assistant is an optional tool for those users who choose to install it. The following tasks should be performed prior to the installation of the Softek TDMF for z/OS Session Assistant Tool. Please refer to the *TDMF for z/OS Session Assistant* manual (TDM-Z41SA) for more details.

TASK	DESCRIPTION	
1	Softek TDMF for z/OS Version 4 Release 1.0 installation completed?	Yes [ ] No [ ]
2	All Softek TDMF for z/OS PTFs and PE zaps applied?	Yes [ ] No [ ]
3	One of the following SAA REXX/370 Libraries installed? <ul style="list-style-type: none"> <li>▪ IBM Compiler and Library for SAA REXX/370, Release 3 (FMID HWJ9130) or higher or</li> <li>▪ IBM Alternate Library for SAA REXX/370, Release 3 (FMID HWJ9123) or higher</li> </ul> <p>If neither product has been installed, it will be necessary to install one of the libraries. Refer to the <i>IBM Compiler and Library for SAA REXX/370 User's Guide</i>, SH19-8160-04, Appendix D, for the Alternate Library installation directions.</p>	Yes [ ] No [ ]
4	Active IEASYSxx members? 00 _____ _____	Yes [ ] No [ ]
5	Active COFVLFxx member? COLVLFxx member name: COFVLF_____	Yes [ ] No [ ]
6	Active PARMLIB data sets? PARMLIB data sets in search order 1. _____ 2. _____ 3. _____ 4. _____ 5. _____ 6. _____ 7. _____ 8. _____ 9. _____ 10. _____ 11. SYS1.PARMLIB (if not listed above)	Yes [ ] No [ ]

## Softek TDMF for z/OS Session Assistant Pre-Installation Checklist - continued

TASK	DESCRIPTION	
7	<p>PARMLIB member processing rules determined?</p> <p>When the user requests Softek TDMF for z/OS Session Assistant to determine the list of system volumes containing migration sensitive data sets to be excluded, the PARMLIB members are to be processed (RespectIEASYS):</p> <ul style="list-style-type: none"> <li>▪ According to z/OS and OS/390 rules; only the last keyword and value read are to be used (Yes), or,</li> <li>▪ Using all keyword values (No).</li> </ul> <p><b>CAUTION: At present, symbolic names used within PARMLIB members are resolved to the values active on the running systems.</b></p>	Yes [ ] No [ ]

## Softek TDMF for z/OS Session Assistant Post-Installation Checklist

TASK	DESCRIPTION	
1	All Softek TDMF for z/OS Session Assistant PTFs and PE zaps applied?	Yes [ ] No [ ]
2	Security rule added to limit access to the Softek TDMF for z/OS Session Assistant EXEC library to prevent unauthorized use of Softek TDMF for z/OS Session Assistant?	Yes [ ] No [ ]
3	Security rule added to limit access to the Softek TDMF for z/OS Session Assistant authorized module TDMAXC to prevent unauthorized use?	Yes [ ] No [ ]
4	Security rules added for authorized users of Softek TDMF for z/OS Session Assistant to read the active PARMLIB data sets?  <i>See Pre-Installation Task 6 for the list of active PARMLIB data sets.</i>	Yes [ ] No [ ]
5	HLQ.TDMA1300.ISPLLIB added to the active APF data set definition(s)?	Yes [ ] No [ ]
6	HLQ.TDMA1300.ISPLLIB added to the active LNKLSTxx definition(s)?	Yes [ ] No [ ]
7	TDMAXC added to the AUTHTSF section of TSOAUTH in the active IKJTSOxx member of PARMLIB?	Yes [ ] No [ ]

## TDMF for z/OS Session Assistant Post-Installation Checklist - continued

TASK	DESCRIPTION	
8	Softek TDMF for z/OS Session Assistant REXX exec customized for site use?  Refer to <i>Pre-Installation Task 7</i> for determination of the RespectIEASYS option.	Yes [ ] No [ ]
9	JCL skeleton members in HLQ.TDMA1300.ISPSLIB customized for site standards?	Yes [ ] No [ ]
10	Active IEASYSxx member list published for Softek TDMF for z/OS Session Assistant users?  See <i>Pre-Installation Task 4</i> for the list of active IEASYSxx members.	Yes [ ] No [ ]
11	Active COFVLFxx member published for Softek TDMF for z/OS Session Assistant users?  See <i>Pre-Installation Task 5</i> for the active IEASYSxx member.	Yes [ ] No [ ]
12	Active PARMLIB data set list published for Softek TDMF for z/OS Session Assistant users?  See <i>Pre-Installation Task 6</i> for the list of active PARMLIB data sets.	Yes [ ] No [ ]

## Revision History

This revision history lists all revisions of this publication and their effective dates.

Revision Level	Change Summary
TDM-Z411A-001 October 2006	Original release of this guide.
TDM-Z411A-002 September 2008	Second release of this guide for PTF TD41802.