

**VERSION DESCRIPTION DOCUMENT
FOR THE NASA TRAINING AND DEVELOPMENT SYSTEM**

Release 3.1.7 Production

PrISMS Contract

December 2002



National Aeronautics and
Space Administration

George C. Marshall Space Flight Center
Huntsville, AL 35812

**VERSION DESCRIPTION DOCUMENT
FOR THE
NASA TRAINING AND DEVELOPMENT SYSTEM
RELEASE 3.1.7**

Prepared by

12/16/02

Jan Burleson Date
Computer Scientist

Reviewed by

12/16/02

Steve Rowell Jim Cofer
Agencywide IRM Configuration Management

12/16/02

Hector Garcia Richard Bishop
Agencywide IRM DBA

12/16/02

Prepared by

Computer Sciences Corporation, Contract NAS8-60000

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GEORGE C. MARSHALL SPACE FLIGHT CENTER
HUNTSVILLE, ALABAMA

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Approved by

12/16/02

Sheila Fogle
Consolidated Center Project Manager

Date

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GEORGE C. MARSHALL SPACE FLIGHT CENTER
HUNTSVILLE, AL

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1.0 INTRODUCTION

The Version Description Document (VDD) identifies the exact version of the National Aeronautics and Space Administration (NASA) Training and Development System (NTDS) released for installation/implementation.

1.1 Identification of the Release

This software release is identified as NTDS, Release 3.1.7 and has an effective release date of December 16, 2002. Support of the previous release expires 30 days after the scheduled implementation date of January 16, 2003.

1.2 Purpose of the Release

The purpose of this release is to load NTDS history into AdminSTAR. The Change Control Request (CCR) is listed in Appendix C.

1.3 Scope

This VDD provides the functional and technical user of NTDS with information regarding the contents, status, and structure of Release 3.1.7, including the following:

- Validation procedures to ensure the reliability of release changes
- Detailed software installation instructions.

1.4 Contact Points

Sustaining Engineering for NTDS is provided through the NASA Automated Data Processing (ADP) Consolidation Center (NACC) Technical Services Center located at Marshall Space Flight Center (MSFC). Questions regarding the function and/or the technical aspects as well as the installation of this release should be directed:

The NACC Technical Services Center (Use following Key Words:
SESAAS & NTDS)

Telephone: (256) 544-2931
E Mail: jan.burleson@msfc.nasa.gov
FAX: (256) 544-2443

2.0 FUNCTIONAL INFORMATION

This section includes details regarding functional changes, functional interfaces, critical issues, affected documents, and application system administration.

2.1 Functional Changes

Please refer to Appendix C, Functional Change Validation Procedures, for a description of all functional changes related to this release. Appendix D, Installation Procedures, describes all Software PREDICT and SYSERR changes related to this release.

2.2 Functional Interfaces

Not Applicable

2.3 Critical Issues

Not Applicable

2.4 Affected Documents

Not Applicable

2.5 Application System Administration

Not Applicable

3.0 TECHNICAL INFORMATION

This section includes details regarding technical system interfaces, data dictionary changes, software object changes, and database administration activities.

3.1 Technical System Interfaces

Not Applicable

3.2 Data Dictionary Changes

Not Applicable

3.3 Software Object Changes

The affected modules for this release are included in Appendix D, Section 2.2.

3.4 Database Administration

This section describes the database administration activities for NTDS.

3.4.1 Release Data Set Names

The datasets for Software Release 3.1.7 are included in the Introduction of Appendix D, Installation Instructions.

3.4.2 Inventory of Objects

Refer to Appendix D.

3.4.3 Storage Considerations

Not Applicable

3.4.4 Installation Procedures

Refer to Appendix D, Installation Instructions, for detailed procedures.

3.5 Operational Preparation

Refer to the procedures described in Section 3.4.4 for assistance in preparing for proper installation and operational use of the release

4.0 KNOWN AND OPEN PROBLEMS

There are no known and open problems.

APPENDIX A
ABBREVIATIONS AND ACRONYMS

ABBREVIATIONS AND ACRONYMS

ADP	Automated Data Processing
BJS	Batch Job Submitter
CCR	Change Control Request
CR	Change Request
DR	Discrepancy Report
ID	Identification
IDP	Individual Development Plan
MATH	Mass Add of Training History
NACC	NASA Automated Data Processing Consolidation Center
NASA	National Aeronautics and Space Administration
NDM	Network Data Mover
NTDS	NASA Training and Development System
PF	Program Function
SESAAS	Sustaining Engineering Support for Agencywide Administrative Systems
SIDP	Standard Individual Development Plan
SSN	Social Security Number
SYSERR	Natural System Error Utility
TH	Training History
TR	Training Request
VDD	Version Description Document

APPENDIX B
GLOSSARY

GLOSSARY

Database Administration

Responsibility for maintaining the physical database environment.

Implementation

The process by which a NASA site installs an software release and places it into operational use.

Operational Preparation

Preparation by a NASA site for installation and use of an application release.

System Administration

Responsibility for administrative functions such as application security and table data maintenance associated with an application.

APPENDIX C
FUNCTIONAL CHANGE VALIDATION PROCEDURES

FUNCTIONAL CHANGE VALIDATION PROCEDURES

Index of validation procedures provided for changes in this release.

Section	CCR	Title
1.0	98000010	Convert NTDS History into AdminSTAR History

Details for the validation procedures are listed below:

1.0 98000010 Convert NTDS History into AdminSTAR History

1.0.1 NTDS History Extract

Purpose: To load NTDS history records into the AdminSTAR archive tables.

Test Procedure :

- Run TOOLAS20.

Validation:

- Verify that the job received zero return codes.
- Verify that there is data in the output data files.
- Verify that the data is in the correct format.

- CCR Number 98000010 NTDS History Extract

- New Modules

Module	Module Name	Type
TOOLAS20	NTDS History Extract	Program

APPENDIX D
INSTALLATION INSTRUCTIONS

INSTALLATION INSTRUCTIONS

Introduction

Release identification:

System Name: NASA Training and Development System (NTDS)

Release Number: 3.1.7
Release Date: December 16, 2002
Release Effective Date: December 16, 2002

The following dataset is located on the transient storage DASD volumes under the following dataset name:
xxMOV.NTDS.PROD.R317.R1202.SRC

Where "xx" is replaced by the appropriate NASA Center designation.

AR – ARC
DF - DFRC
GS - GSFC
HQ - HQ
J5 – JSC
KS - KSC
LA – LaRC
LE – GRC (Glenn)
MS – MSFC
SS – SSC

TOOLAS20 needs to be copied over to the center's production environment once the new tool (object) is available at the central distribution facility:

The following JCL is an example of how the above tool should be setup:

```
000001 //HXEXPRT JOB  (MSIRMNTDS004),BURLESON,CLASS=D,  
000002 //           MSGCLASS=A,MSGLEVEL=(1,1),  
000003 //           NOTIFY=MSJMB  
000004 /*  
000005 //STEP010 EXEC PGM=IEFBR14  
000006 //CMDEL01  DD DSN= **MOV.NTDS.ARCH01,  
000007 //           DISP=(MOD,DELETE),  
000008 //           SPACE=(CYL,(60,1),RLSE)  
000009 //CMDEL02  DD DSN= **MOV.NTDS.ARCH02,  
000010 //           DISP=(MOD,DELETE),  
000011 //           SPACE=(CYL,(60,1),RLSE)
```

```

000012 //CMDEL03 DD DSN= **MOV.NTDS.ARCH03,
000013 //           DISP=(MOD,DELETE),
000014 //           SPACE=(CYL,(60,1),RLSE)
000015 //CMDEL04 DD DSN= **MOV.NTDS.ARCH04,
000016 //           DISP=(MOD,DELETE),
000017 //           SPACE=(CYL,(60,1),RLSE)
000018 //CMDEL05 DD DSN= **MOV.NTDS.ARCH05,
000019 //           DISP=(MOD,DELETE),
000020 //           SPACE=(CYL,(60,1),RLSE)
000021 //CMDEL06 DD DSN= **MOV.NTDS.ARCH06,
000022 //           DISP=(MOD,DELETE),
000023 //           SPACE=(CYL,(60,1),RLSE)
000024 //CMDEL07 DD DSN= **MOV.NTDS.ARCH07,
000025 //           DISP=(MOD,DELETE),
000026 //           SPACE=(CYL,(60,1),RLSE)
000027 //CMDEL08 DD DSN= **MOV.NTDS.ARCH08,
000028 //           DISP=(MOD,DELETE),
000029 //           SPACE=(CYL,(60,1),RLSE)
000030 //CMDEL09 DD DSN= **MOV.NTDS.ARCH09,
000031 //           DISP=(MOD,DELETE),
000032 //           SPACE=(CYL,(60,1),RLSE)
000033 //CMDEL10 DD DSN= **MOV.NTDS.ARCH10,
000034 //           DISP=(MOD,DELETE),
000035 //           SPACE=(CYL,(60,1),RLSE)
000036 /**
000037 //STEP020 EXEC N05Z,COND=(0,LT)
000038 //CMWKF01 DD DSN= **MOV.NTDS.ARCH01,
000039 //           DISP=(,CATLG ,DELETE),UNIT=SYSDA,
000040 //           DCB=(RECFM=FB,LRECL=500,BLKSIZE=15000),
000041 //           SPACE=(CYL,(60,1),RLSE)
000042 //CMWKF02 DD DSN= **MOV.NTDS.ARCH02,
000043 //           DISP=(,CATLG ,DELETE),UNIT=SYSDA,
000044 //           DCB=(RECFM=FB,LRECL=500,BLKSIZE=15000),
000045 //           SPACE=(CYL,(60,1),RLSE)
000046 //CMWKF03 DD DSN= **MOV.NTDS.ARCH03,
000047 //           DISP=(,CATLG ,DELETE),UNIT=SYSDA,
000048 //           DCB=(RECFM=FB,LRECL=500,BLKSIZE=15000),
000049 //           SPACE=(CYL,(60,1),RLSE)
000050 //CMWKF04 DD DSN= **MOV.NTDS.ARCH04,
000051 //           DISP=(,CATLG ,DELETE),UNIT=SYSDA,
000052 //           DCB=(RECFM=FB,LRECL=500,BLKSIZE=15000),
000053 //           SPACE=(CYL,(60,1),RLSE)
000054 //CMWKF05 DD DSN= **MOV.NTDS.ARCH05,
000055 //           DISP=(,CATLG ,DELETE),UNIT=SYSDA,
000056 //           DCB=(RECFM=FB,LRECL=500,BLKSIZE=15000),
000057 //           SPACE=(CYL,(60,1),RLSE)

```

```

000058 //CMWKF06 DD DSN= **MOV.NTDS.ARCH06,
000059 //           DISP=(CATLG ,DELETE),UNIT=SYSDA,
000060 //           DCB=(RECFM=FB,LRECL=500,BLKSIZE=15000),
000061 //           SPACE=(CYL,(60,1),RLSE)
000062 //CMWKF07 DD DSN= **MOV.NTDS.ARCH07,
000063 //           DISP=(CATLG ,DELETE),UNIT=SYSDA,
000064 //           DCB=(RECFM=FB,LRECL=500,BLKSIZE=15000),
000065 //           SPACE=(CYL,(60,1),RLSE)
000066 //CMWKF08 DD DSN= **MOV.NTDS.ARCH08,
000067 //           DISP=(CATLG ,DELETE),UNIT=SYSDA,
000068 //           DCB=(RECFM=FB,LRECL=500,BLKSIZE=15000),
000069 //           SPACE=(CYL,(60,1),RLSE)
000070 //CMWKF09 DD DSN= **MOV.NTDS.ARCH09,
000071 //           DISP=(CATLG ,DELETE),UNIT=SYSDA,
000072 //           DCB=(RECFM=FB,LRECL=500,BLKSIZE=15000),
000073//           SPACE=(CYL,(60,1),RLSE)
000074 //CMWKF10 DD DSN= **MOV.NTDS.ARCH10,
000075 //           DISP=(CATLG ,DELETE),UNIT=SYSDA,
000076 //           DCB=(RECFM=FB,LRECL=500,BLKSIZE=15000),
000077 //           SPACE=(CYL,(60,1),RLSE)
000078 //CMPRINT DD DSN=**MOV.NTDS.ERROR01,
000079 //           DISP=(OLD,CATLG ,DELETE),UNIT=SYSDA,
000080 //           DCB=(RECFM=FBA,LRECL=133,BLKSIZE=13300),
000081 //           SPACE=(CYL,(100,10),RLSE)
000082 //CMPRT01 DD DSN=**MOV.NTDS.ERROR02,
000083 //           DISP=(OLD,CATLG ,DELETE),UNIT=SYSDA,
000084 //           DCB=(RECFM=FBA,LRECL=133,BLKSIZE=13300),
000085 //           SPACE=(CYL,(100,10),RLSE)
000086 //CMSSYNIN DD   *
000087 STARPROD,STARBTCH
000088 STARBTCH
000089 TOOLAS20 6200
000090 FIN
000091 /*
000092 //

```

***** The center number needs to be supplied as a parm for TOOLAS20 as shown above.**

In case of installation problems, contact the NACC Technical Services Center (identify yourself as SESAAS and NTDS.)

Telephone: (256) 544-2931
 Email: jan.burleson@msfc.nasa.gov
 FAX Number (256) 544-2443

Installation Sequence

Installation is to occur in the following sequence:

- 1.0 Backups
- 2.0 Copy Source/Object Code
- 3.0 Pre-PREDICT Data Conversion
- 4.0 PREDICT Installation
- 5.0 Catalog Source Code
- 6.0 Post-PREDICT Data Conversion/Load
- 7.0 Perform Release-Specific Installation Procedures
- 8.0 Installation Checklist for NTDS Release 3.1.7

1.0 BACKUPS

This tool only extracts data, so data backups of NTDS files are not necessary.

The NTDS software library should be backed up before loading the SRC dataset in this release.

2.0 COPY SOURCE/OBJECT CODE

2.1 Copy Source Code

Load the NTDS source library from dataset

xxMOV.NTDS.PROD.R317.R1202.SRC using the Natural utility NATLOAD. The source modules were unloaded using the Natural utility NATUNLD. The source modules will be loaded to the application library NTDS, replacing any existing source modules of the same name. The source module count included in this release is listed below:

Natural Source Modules by Type

Global Data Areas	0
Local/Param Data Areas	0
Maps	0
Helproutines	0
Subroutines	0
Subprograms	0
Programs	1
Copycode	0
Text	0
Process	0
Miscellaneous Objects	0
<hr/>	
Total Programming Objects	1

2.2 List of Source Code Modifications

The following are the modules added, modified or deleted.

Added Modules

TOOLAS20 – NTDS History Extract

Changed Modules

Not Applicable

Deleted Modules

Not Applicable

3.0 PRE-PREDICT DATA CONVERSION

Not Applicable

4.0 PREDICT INSTALLATION

Not Applicable

5.0 CATALOG SOURCE CODE

Catalog the one module in the NTDS production library.

After all objects are compiled, the NTDS application will run under the NASA On-line standard parameter.

6.0 POST-PREDICT DATA CONVERSION/LOAD

Not Applicable

7.0 PERFORM RELEASE-SPECIFIC INSTALLATION PROCEDURES

7.1 Load NTDS Error Messages into SYSERR

Not applicable for this release.

7.2 Update Release Number

Log on to NTDS library and execute program NTDP-REL on the Natural Command line. Enter the release number as 03.10.70 and press <ENTER>.

From the Natural command line, execute program BJSP-REL. Enter the release number as 03.10.70 and press <ENTER>.

8.0 INSTALLATION CHECKLIST FOR NTDS RELEASE 3.1.7

APPLICATION SETUP

NOTE: 'Ref.' refers to the corresponding section number in VDD Appendix D or \$README.

(STAG/PROD)

 / Perform Backups (Ref. 1.0)

 / Copy Source/Object code (Ref. 2.0)

 / Catalog Source programs (Ref. 5.0)

 / Update Release Number (NTDS and BJS) (Ref. 7.2)