



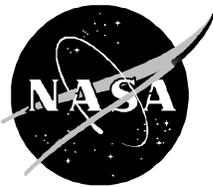
**AUTOMATED INFORMATION MANAGEMENT  
VERSION DESCRIPTION DOCUMENT  
FOR THE NASA TRAINING AND  
DEVELOPMENT SYSTEM**

Release 2.6.1

AIM-NTDS-VDD-13

PrISMS Contract

November 1996



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 2.6.1**

Prepared by

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

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Approved by

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Sheila Fogle	Date
Consolidated Center Project Manager	

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

November 1996



## HISTORY PAGE

**Document Number:** CSC-530-0002    **Document Title:** Version Description Document for the NASA Training and Development System (DRD 38K 05)

<b>Change Number</b>	<b>Date</b>	<b>Description</b>	<b>Pages Affected</b>
—	12/92	Original baseline of System/Software Version Description Document (CSC-A000228)	All
Release 1.2.0	8/93	First release document (Republished as ISC-A000228)	All
Release 1.2.1	9/93	Changes to baseline	All
Release 1.3.0	12/93	Changes to baseline (Republished as ISC-52100-530)	All
Release 1.4.0	1/94	Changes to baseline	All
Release 1.5.0	4/94	Changes to baseline	All
Release 1.6.0	8/94	Changes to baseline	All
Release 2.0.0	12/94	Changes to baseline	All
Release 2.1.0	2/95	Changes to baseline	All
Release 2.2.0	4/95	Changes to baseline	All
Release 2.3.0	8/95	Changes to baseline	All
Release 2.3.1	9/95	Changes to baseline	All
Release 2.3.2	11/95	Changes to baseline	All
Release 2.4.0	1/96	Changes to baseline	All
Release 2.5.0	5/96	Changes to baseline	All
Release 2.6.0	10/96	Changes to baseline	All
Release 2.6.1	11/96	Changes to baseline	All

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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 2.6.1 and has an effective release date of November 15, 1996. Support of the previous release expires 30 days after the scheduled implementation date of December 15, 1996.

### **1.2 Purpose of the Release**

The purpose of this release is to correct the edit rules for vendor/school codes in processing the CTDS BI-Weekly transmission. The Change Control Request (CCR) is listed in Appendix E.

### **1.3 Scope**

This VDD provides the functional and technical user of NTDS with information regarding the contents, status, and structure of Release 2.6.1, including the following:

- Changes implemented since release 2.6.0.
- Validation procedures to ensure the reliability of releases.
- References to other documentation affected by this release.
- Detailed software installation instructions.

A waiver for element naming standardization for new NTDS files has been granted by NASA Headquarters. No other waivers are associated with this release.

### **1.4 Contact Points**

Sustaining Engineering for NTDS is provided through the 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: (205) 544-6673  
E Mail:nathalyne.cucarola@msfc.nasa.gov  
FAX: (205) 544-1836

## **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**

This release has no functional impact on interfaces with any Automated Information Management (AIM) application.

### **2.3 Critical Issues**

This release has no critical issues.

### **2.4 Affected Documents**

No documents are affected by this release.

### **2.5 Application System Administration**

Application system administration changes associated with this release are discussed in Appendix D, Installation Procedures.

### **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**

This release has no technical impact on any other AIM application.

Refer to Appendix D for the technical details of the installation.

#### **3.2 Data Dictionary Changes**

There are no data dictionary changes with this release.

#### **3.3 Software Object Changes**

The affected module for this release is included in Appendix D, Section 2.2.

#### **3.4 Data-Base Administration**

This section describes the database administration activities for NTDS.

##### **3.4.1 Release DataSet Names**

The data sets for Release 2.6.1 are located on the AIM Central Distribution Facility as AIM data sets. The names of these datasets are included in the Introduction of Appendix D.

##### **3.4.2 Inventory of Objects**

Refer to Appendix D.

##### **3.4.3 Storage Considerations**

Appendix F contains recommended file specifications and space allocation information for the NTDS files. These are only recommended and may be changed by each site.

#### 3.4.4 Installation Procedures

Access the AIM dataset AIMS.NTDS.PROD.REL261.REL1196.DOC. This dataset is located on the AIM Central Bulletin Board, for the NTDS release README file, with its detailed software installation procedures. Appendix D of this document has the same installation instructions.

### **3.5 Operational Preparation**

The AIM dataset AIMS.NTDS.PROD.REL261.REL1196.DOC with its NTDS release README file and Appendix D of this document have detailed instructions on operational preparation for installation of this release.

#### **4.0 KNOWN AND OPEN PROBLEMS**

There are no known and open problems for this release.



**APPENDIX A**  
**ABBREVIATIONS AND ACRONYMS**



## **ABBREVIATIONS AND ACRONYMS**

AIM	Automated Information Management
BJS	Batch Job Submitter
CCR	Change Control Request
CR	Change Request
CRS	Course
CTDS	Consolidated Training and Development System
DDM	Data Definition Module
DP	Development Program
DR	Discrepancy Report
FY	Fiscal Year
GPA	Grade Point Average
ID	Identification
IDP	Individual Development Plan
ISN	Internal Sequence Number
MATH	Mass Add of Training History
NACC	NASA Automated Data Processing (ADP) Consolidation Center
NASA	National Aeronautics and Space Administration
NDM	Network Data Mover
NOAC	Nature of Action Code
NPPS	NASA Personnel/Payroll System
NTDS	NASA Training and Development System
OPM	Office of Personnel Management

OSA	Obligated Service Agreement
PF	Program Function
RAA	Reminder and Automatic Actions
SDDS	System/Software Detailed Design Specification
SESAAS	Sustaining Engineering Support for Agencywide Administrative Systems
SESS	Course Session
SIDP	Standard Individual Development Plan
SRS	System/Software Requirements Specification
SSN	Social Security Number
SYSERR	Natural System Error Utility
TH	Training History
TR	Training Request
UOG	User and Operations Guide
VDD	Version Description Document

**APPENDIX B**  
**GLOSSARY**



## **GLOSSARY**

### **Change Control Request**

A NASA standard form (NF-1620) on which requirement changes and discrepancies are reported (also known as a CCR).

### **Data Administration**

Responsibility for maintaining the data and application support architecture.

### **Data-Base Administration**

Responsibility for maintaining the physical database environment.

### **Development Installation**

A NASA site responsible for the development and implementation of an AIM application.

### **Implementation**

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

### **Operational Preparation**

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

### **System Administration**

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

### **Waiver**

A written authorization from the AIM program director for a Development Installation to deviate from a specific AIM standard or guideline in the implementation of an AIM software application; waivers may be permanent or temporary.



**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	96000322	Correct edit of vendor/school code in processing the CTDS BI-Weekly transmission.

Details for the validation procedures are listed below:

### **1.0 CCR Number 96000322 Correct edit of vendor/school code in processing the CTDS BI-Weekly transmission.**

Existing edit first checks for a valid vendor code, if found the vendor name is moved but processing continues to check for a valid school code. The edit for a valid school code fails and an error message is reported for an invalid school code.

#### **Description of Enhancement**

The subroutine VENDOR-CHECK has been modified to prevent a vendor code from being edited as a school code.

#### **Functional Impact**

Program has been modified to correct the vendor/school code edit check.

#### **Validation Procedures**

Verify that you have both vendors and schools that meet the program's requirements for selection in CTDS.

- **Process the BI-Weekly CTDS for NASA**

1. From the NTDS Main Menu select option K, Batch Job Submitter (BJS). Press <ENTER>. Verify that the BJS Main Menu is displayed.
2. From the BJS Main Menu, select option B, Job Scheduling. Press <ENTER>. Verify that the Job Scheduling menu is displayed.
3. Select option B, Submit Process Job. Press <ENTER>.
4. Verify that a list of the available jobs is displayed. Press PF8 to page down the list to locate BI-WEEKLY CTDS FOR NASA, Job Number NTJI6T5.
5. Enter a 'S' in the option to schedule the job. Press <ENTER>.
6. Enter the appropriate information in the pop-up window to submit the scheduled job. Press <ENTER>.

7. When the job has completed, review the error report to verify that no invalid errors for either vendor or school are reported

- **Affected Modules**

<b>Module</b>	<b>Module Name</b>	<b>Type</b>
NTDBI6T5	CTDS BI-Weekly Interface Transmit	PGM

**APPENDIX D**  
**INSTALLATION PROCEDURES**



# INSTALLATION PROCEDURES

## Introduction

Release identification:

System Name	NASA Training and Development System (NTDS)
Release Number	2.6.1
Release Date	November 15, 1996
Release Effective Date	Effective date for this release is November 15, 1996.

Release Implementation Date December 15, 1996

The following datasets are located on the AIM Central Distribution Facility as AIM data sets.

- AIMS.NTDS.PROD.REL261.REL1196.SRC
- AIMS.NTDS.PROD.REL261.REL1196.DOC

Person to notify in case of installation problems:

Nathalyne Cucarola	(205) 544-8424
Rick Bishop	(205) 544-5352
FAX Number	(205) 544-1836

## 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 2.6.1

### 1.0 BACKUPS

It is advisable to back up all NTDS files as a precautionary measure prior to installation.

### 2.0 COPY SOURCE/OBJECT CODE

#### 2.1 Copy Source Code

Load the NTDS source library from dataset AIMS.NTDS.PROD.REL261.REL1196.SRC using the Natural utility NATLOAD. The source programs were unloaded using the Natural utility NATUNLD. The programs will be loaded to the application library NTDS, replacing any existing programs of the same name. The source module counts included in this release are listed below:

<b>Natural Source Modules by type</b>	
COPYCODE	0
GLOBALS	0
HELP	0
LDA	0
MAP	0
PDA	0
PROGRAM	1
SUB PGM	0
SUBROUTINES	0
<b>Total:</b>	<b>1</b>

## **2.2 List of Source Code Modifications**

The following are the modules added, modified and deleted.

### **Added Modules**

Not applicable for this release.

### **Changed Modules**

1. NTDBI6T5 CTDS BI-Weekly Interface Transmit

### **Deleted Modules**

Not applicable for this release.

## **2.3 Copy Object Modules**

Not applicable for this release.

## **3.0 PRE-PREDICT DATA CONVERSION**

Not applicable for this release.

## **4.0 PREDICT INSTALLATION**

Not applicable for this release.

#### **4.1 NTDS Keywords**

Not applicable for this release.

#### **4.2 Load NTDS PREDICT**

Not applicable for this release.

#### **4.3 Generate Data Definition Modules**

Not applicable for this release.

#### **5.0 Catalog Source Code**

Run a batch job to catalog (CATALL) all modules in the NTDS or other named library. It is not necessary to catalog the Global Data Area. The AIM Batch standard parameters should be used for the compile.

#### **6.0 POST-PREDICT DATA CONVERSION/LOAD**

Not applicable for this release.

#### **7.0 PERFORM RELEASE-SPECIFIC INSTALLATION PROCEDURES**

The following sections are Release-Specific Installation Procedures needed for this release.

#### **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 02.60.10 and press <ENTER>.

From the Natural command line, execute program BJSP-REL. Enter the release number as 02.60.10 and press <ENTER>.

#### **7.3 Update NTDS Menu and Expert Commands**

There are no new menu options or expert commands associated with this release.

#### **7.4 Perform NTDS Batch Job Submitter (BJS) Maintenance**

There are no new Job or Task records for BJS associated with this release.

## 8.0 Installation Checklist for NTDS Release 2.6.1

### 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 code (Ref. 2.1)

\_\_\_/\_\_\_ Catalog Source programs (Ref. 5.0)

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



**APPENDIX E**  
**CCR LIST FOR NTDS RELEASE**



**CCR LIST FOR NTDS RELEASE**

**NTDS 1620's in Release 2.6.1**

<b>CCR NUMBER</b>	<b>TITLE</b>
96000322	CTDS BI-Weekly Interface Transmit



**APPENDIX F**  
**FILE SPECIFICATIONS**



## FILE SPECIFICATIONS

File Name		Loaded	Top- ISN	Max- ISN	Extents		PAD		% D	IND. ACISE	% used	
					NUA	D	A	D			A	D
26	NTDS-CRS-ENTRIES	95.06.05	3794	4675	112	1	3	3				
27	NTDS-WO-ENTRIES	95.06.05	1204	3339	111	1	3	3				
28	NTDS-PPMI	95.06.05	1491	3339	111	1	3	3				
119	NTDS-NASA-TI	95/01/18	1014	31395	111	1	3	3	NNISN	5	27	
120	NTDS-CRS-SESS	92/06/02	9157	10019	111	2	10	10	NNISN	37	85	
121	NTDS-CRS-ADMIN	91/04/16	532	3339	111	1	10	10	NNISN	22	10	
122	NTDS-TABLES	91/04/04	4871	6011	111	1	10	10	NNISN	33	19	
123	NTDS-TR	92/01/23	3027	3339	111	2	10	10	NNISN	57	90	
124	NTDS-TRN-HIST	92/06/03	19155	300599	111	1	10	10	NNISN	2	18	
125	NTDS-TEXT	92/06/03	613	3339	111	1	10	10	NNISN	2	18	
126	NTDS-PER-MASTER	92/06/09	613	3339	111	1	10	10	NNISN	11	5	
127	NTDS-DP-MASTER	92/05/13	1004	3339	111	1	10	10	NNISN	17	32	
128	NTDS-REMINDER	92/03/11	1272	3339	111	1	10	10	NNISN	20	22	
129	NTDS-CLSRM-SCHED	91/04/05	46	3339	111	1	10	10	NNISN	5	1	
130	NTDS-AUDIT	92/01/13	4199	4675	212	1	10	10	NNISN	41	66	
131	NTDS-SYSTABLES	94/06/22	14200	50099	111	1	3	3	NNISN	26	31	
132	NTDS-NNASA-TI	95/01/18	42	1335	111	1	3	3	NNISN	3	1	
133	NTDS-IDP-GEN	95/01/18	58	1335	111	1	3	3	NNISN	5	2	
134	NTDS-IDP-CRS	95/01/18	348	1335	111	1	3	3	NNISN	3	15	
135	NTDS-IDP-WOA	95/01/18	80	1335	111	1	3	3	NNISN	3	4	
136	NTDS-IDP-PE	95/01/18	1	1335	111	1	3	3	NNISN	3	1	
137	NTDS-IDP-PS	95/01/18	4	1335	111	1	3	3	NNISN	3	1	
138	NTDS-IDP-CMNT	95/01/18	31	1335	111	1	3	3	NNISN	3	1	
139	NTDS-CRS	95/01/18	0	1335	111	1	3	3	NNISN	1	0	
140	NTDS-CTDS-HEADER	95/01/18	15	4675	111	1	3	3	NNISN	5	1	

## SPACE ALLOCATION INFORMATION

File Name		Blocks Allocated				Blocks Unused		
		NI	UI	AC	Data/Cyl	NI	UI	Data/Cyl
26	NTDS-CRS-ENTRIES	100	50	7	135/1	26	43	81/0
27	NTDS-WO-ENTRIES	100	50	5	135/1	27	80	106/0
28	NTDS-PPMI	100	50	5	135/1	28	16	84/0
119	NTDS-NASA-TI	100	10	47	270/2	97	8	196/1
120	NTDS-CRS-SESS	100	50	5	270/2	40	44	224/1
121	NTDS-CRS-ADMIN	100	50	5	270/2	66	42	228/1
122	NTDS-TABLES	1000	100	18	270/2	864	96	167/1
123	NTDS-TR	300	50	5	270/2	194	42	240/1
124	NTDS-TRN-HIST	100	50	5	270/2	50	32	230/1
125	NTDS-TEXT	100	50	5	270/2	88	45	249/1
126	NTDS-PER-MASTER	100	50	5	270/2	94	47	263/1
127	NTDS-DP-MASTER	100	50	5	270/2	88	45	249/1
128	NTDS-REMINDER	100	50	5	270/2	60	44	198/1
129	NTDS-CLSRM-SCHED	100	50	5	270/2	97	46	269/1
130	NTDS-AUDIT	100	50	5	270/2	41	45	215/1
131	NTDS-SYSTABLES	1710	50	75	1350/10	1267	34	934/6
132	NTDS-NNASA-TI	100	10	2	100/0	99	8	99/0
133	NTDS-IDP-GEN	100	10	2	100/0	98	7	98/0
134	NTDS-IDP-CRS	100	10	2	100/0	99	8	85/0
135	NTDS-IDP-WOA	100	10	2	100/0	99	8	96/0
136	NTDS-IDP-PE	100	10	2	100/0	99	8	99/0
137	NTDS-IDP-PS	100	10	2	100/0	99	8	99/0
138	NTDS-IDP-CMNT	100	10	2	100/0	99	8	99/0
139	NTDS-CRS	100	10	2	100/0	100	9	100/0
140	NTDS-CTDS-HEADER	100	10	7	100/0	98	7	99/0