

ADMINSTAR / NASA TRAINING AND DEVELOPMENT SYSTEM (NTDS) INTERFACE CONTROL DOCUMENT

PrISMS Contract

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1.0 **Purpose**

The purpose of this Interface Control Document (ICD) is to define the interfaces between AdminSTAR, a client-server commercial off-the-shelf (COTS) package, and the NASA Training and Development System (NTDS). The ICD forms the baseline specification to be implemented by AdminSTAR and NTDS.

2.0 **AdminSTAR REQUIREMENTS**

AdminSTAR will maintain an interface with NTDS for exporting completed training instances. Information will be placed in the following file and transmitted to a central NTDS/AdminSTAR location:

CTI.TXT (AdminSTAR Completed Training Instances)

The AdminSTAR file will be reformatted for importing into each NASA installation's NTDS and placed in the following files:

XXMOV.NTDSPP.CTI.YYY (NTDS History)

Where XX equals:

- MS for Marshall Space Flight Center
- GS for Goddard Space Flight Center
- SS for Stennis Space Center
- HQ for Headquarters
- LE for Lewis Research Center
- LA for Langley Research Center
- KS for Kennedy Space Center
- J5 for Johnson Space Center
- AR for Ames Research Center
- DF for Dryden Flight Research Center

and where YYY equals the NASA installation acronym as follows:

- MSFC for Marshall Space Flight Center
- GSFC for Goddard Space Flight Center
- SSC for Stennis Space Center
- HQ for Headquarters
- LeRC for Lewis Research Center
- LaRC for Langley Research Center
- KSC for Kennedy Space Center
- JSC for Johnson Space Center

ARC for Ames Research Center
DFRC for Dryden Flight Research Center

3.0 **DATA FORMAT**

CTI.TXT:

- Empty data elements shall be null.

XXMOV.NTDSPP.CTI.YYY:

- Numeric data shall be right justified and zero filled. Empty data elements shall contain zeros.
- Alphabetic data shall be left justified and space filled. Empty data elements shall contain spaces.

4.0 **FILE FORMAT**

The AdminSTAR Completed Training Instances file will be recorded in a sequential file (flat file) with records of variable length. Fields will be delimited by commas. The NTDS History files will be recorded in sequential files (flat files) with records of fixed length.

5.0 **TRANSMIT FILES TO NTDS**

Data from AdminSTAR will be transmitted to the NTDS at each NASA installation in a two step process. First, data will be extracted from AdminSTAR, using the AdminSTAR Export facility, and transmitted to a central NTDS/AdminSTAR location, via FTP (File Transfer Protocol), for reformatting. Then, individual files will be created, in each installation's Transient Storage Pool(TSP), for import into each NASA installation's NTDS. Once the datasets above are created each center will run the NTDS Refresh Job NTJI217 to apply the changes from the supplied dataset to their NTDS database. Data Entry corrections are made to the data from AdminSTAR/NTDS if necessary. If corrections are made on the AdminSTAR side then recreating the TSP file above is necessary. If corrections are made on the NTDS side only the refresh job (NTJI217) needs to be ran.

6.0 **SPECIFIC REQUIREMENTS OF FILES**

AdminSTAR shall transmit completed training instances, as defined for file CTI.TXT (See Appendix A), for all NASA installations, every two weeks. The AdminSTAR completed training instances file will be stripped of

delimiters and separated into individual files by NASA installation. Each file will be written, as defined by the XXMOV.NTDSPP.CTI.YYY file (See Appendix B), to the appropriate NASA installation's TSP for updating the NTDS-TRN-HIST file.

Appendix A

CTI.TXT (AdminSTAR Completed Training Instances File)

Field Number	Source Data Field
1	Installation
2	Fiscal Year
3	Course Session Number
4	Participant Type
5	Course Code
6	Course Name
7	Course Grouping
8	SSN
9	Course Session End Date
10	Participant Grade
11	Books and Materials
12	Tuition
13	Other Direct Cost
14	Direct Cost Code
15	Indirect Cost Code
16	Indirect Cost
17	On Duty Hours
18	Off Duty Hours
19	Source Training Code
20	Special Interest Code
21	Academic Credit Code
22	EDS Code
23	Purpose Training Code

Appendix B

XXMOV.NTDSPP.CTI.YYY (NTDS History)

Field Number	NTDS Data Field	Length
1	INSTL-SYS-USING	(A5)
2	CRS-FISCAL-YR	(A4)
3	CRS-SESS-NO	(A4)
4	PART-TYP-CD	(A1)
5	CRS-CD	(A8)
6	CRS-CD-NAME	(A50)
7	CRS-TYP-TRN-CD	(A2)
8	SSN	(A9)
9	CRS-SESS-END-DT	(N8)
10	PART-CRS-GD	(A1)
11	BKS-MATL-CST	(N6.2)
12	TUTN-CST	(N6.2)
13	OTH-DIR-CST	(N6.2)
14	DIR-CST-CD	(A1)
15	INDIR-CST-CD	(A1)
16	TOT-INDIR-CST	(N6.2)
17	CRS-ONDUTY-HRS	(N4)
18	CRS-OFFDUTY-HRS	(N3)
19	SOURCE-TRN-CD	(A2)
20	SPC-INT-TRN-PGM-CD	(A2)
21	ACAD-CR-CD	(A1)
22	EDS-CD	(A3)
23	PURP-TRN-CD	(A1)
24	Filler	(A8)