

NASA PERSONNEL/PAYROLL SYSTEM (NPPS) / ADMINSTAR INTERFACE CONTROL DOCUMENT

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National Aeronautics and
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NASA Personnel/Payroll System (NPPS) / AdminSTAR Interface Definition Agreement

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1.0 **Purpose**

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

2.0 **NPPS REQUIREMENT**

NPPS will maintain an interface with the Agency AdminSTAR database for importing personnel information and organization table information to AdminSTAR. Information will be placed in the following files and transmitted to the Agency AdminSTAR database for input into AdminSTAR:

AGAOH.NPPSPP.ADMSTAR.LEARNER (Personnel data)
AGAOH.NPPSPP.ADMSTAR.ORG (Organization data)
AGAOH.NPPSPP.ADMSTAR.LOCATION (Location data)

3.0 **DATA FORMAT**

The spaces between fields shall be compressed creating a variable length file.

4.0 **FILE FORMAT**

Each file shall be a sequential file (flat file) in a delimited file format with '~' (tilde) as the delimiter between fields. The files shall be variable length with the maximum lengths specified in Attachment A.

5.0 **TRANSMIT FILES TO AGENCY DATABASE**

The files shall be transmitted from the consolidated NPPS to the Agency AdminSTAR database via FTP (File Transfer Protocol).

6.0 **SPECIFIC REQUIREMENTS OF FILES**

Each file transmitted shall be a sequential file (flat file) and shall consist of detail records. The data elements for the detail records for each file are defined in Attachment A.

The following sections define the selection and submission requirements for the files.

6.0.1 ***NPPS Personnel Data***

NPPS shall transmit the Personnel data, from the NPS2-PER-MASTER file, as defined for file AGAOH.NPPSPP.ADMSTAR.LEARNER, for all NASA installations, every week on Friday. Data shall be transmitted for active employees and employees who have been terminated in the prior month. Data is not transmitted for employees who have '00/00/0000' birth dates.

6.0.2 ***NPPS Organization Data***

NPPS shall transmit the Organization data, from the NPS2-ORG-TBL file, as defined for file AGAOH.NPPSPP.ADMSTAR.ORG, for all NASA installations, every week on Friday. All organization data will be transmitted.

6.0.3 ***NPPS Location Data***

NPPS shall transmit the Location data, as defined for file AGAOH.NPPSPP.ADMSTAR.LOCATION, for all NASA installations, every week on Friday. There will be one AGAOH.NPPSPP.ADMSTAR.LOCATION record transmitted for every AGAOH.NPPSPP.ADMSTAR.ORG transmitted.

Attachment A

AGAOH.NPPSPP.ADMSTAR.LEARNER (Personnel data)

Field Number	Length	Source Data Field	Remarks
1	9	PER-SSN	
2	1	field delimiter	Hardcoded '~'
3	5	PER-INSTALL	Field moved after PER-NAMEMIDDLE
4	1	field delimiter	Hardcoded '~'
5	22	PER-NAMELAST	
6	1	field delimiter	Hardcoded '~'
7	12	PER-NAMEFIRST	
8	1	field delimiter	Hardcoded '~'
9	1	PER-NAMEMIDDLE	
10	1	field delimiter	Hardcoded '~'
11	10	PER-ORGASSIGN	See 1 below
12	1	field delimiter	Hardcoded '~'
13	10	PER- ORGASSIGN	See 1 below
14	1	field delimiter	Hardcoded '~'
15	1	PER-SEX	
16	1	field delimiter	Hardcoded '~'
17	11	PER-SSN	
18	1	field delimiter	Hardcoded '~'
19	10	PER-BIRTHDATE	Format MM/DD/YYYY
20	1	field delimiter	Hardcoded '~'
21	20	PER-MINCDE	See 3 below
22	1	field delimiter	Hardcoded '~'
23	10	PER-ORGLOC	See 2 below
24	1	field delimiter	Hardcoded '~'
25	1	Login	Hardcoded '1'
26	1	field delimiter	Hardcoded '~'
27	5	PER-PAYPLAN '-' PER-GRADE	
28	1	field delimiter	Hardcoded '~'
29	1	PER-SUPIND	
30	1	field delimiter	Hardcoded '~'
31	5	PER-NC	
32	1	field delimiter	Hardcoded '~'
33	1	PER-POSTYPE	
34	1	field delimiter	Hardcoded '~'
35	1	PER-WORKSCH	
36	1	field delimiter	Hardcoded '~'
37	2	PER-HNDICAP	
38	1	field delimiter	Hardcoded '~'
39	10	PER-EOD-DATE	Format MM/DD/YYYY
40	1	field delimiter	Hardcoded '~'
41	1	Supervisor Indicator	See 4 below
42	1	field delimiter	Hardcoded '~'
43	30	Logpass	See 5 below
44	1	field delimiter	Hardcoded '~'
45	10	Termination Date	See 6 below

46	1	field delimiter	Format MM/DD/YYYY
47	1	VETPREF	Hardcoded '~'
48	1	field delimiter	Veteran's Preference
49	9	PER-UUPIC	Hardcoded '~'
50	1	field delimiter	Uniform Universal Person Identification Code
			Hardcoded '~'

Total Max Length: 2243

1. Prefix PER-ORGASSIGN with Center ID || '-' as follows:

If Installation = '1000' (NASA Headquarters)
PER-ORGASSIGN = 'NH-' || PER-ORGASSIGN

If Installation = '2100' (Ames Research Center)
PER-ORGASSIGN = 'ARC-' || PER-ORGASSIGN

If Installation = '2200' (Glenn Research Center)
PER-ORGASSIGN = 'GRC-' || PER-ORGASSIGN

If Installation = '2300' (Langley Research Center)
PER-ORGASSIGN = 'LARC-' || PER-ORGASSIGN

If Installation = '2400' (Dryden Flight Research Center)
PER-ORGASSIGN = 'DFRC-' || PER-ORGASSIGN

If Installation = '5100' (Goddard Space Flight Center)
PER-ORGASSIGN = 'GSFC-' || PER-ORGASSIGN

If Installation = '6200' (Marshall Space Flight Center)
PER-ORGASSIGN = 'MSFC-' || PER-ORGASSIGN

If Installation = '6400' (Stennis Space Center)
PER-ORGASSIGN = 'SSC-' || PER-ORGASSIGN

If Installation = '7200' (Johnson Space Center)
PER-ORGASSIGN = 'JSC-' || PER-ORGASSIGN

If Installation = '7600' (Kennedy Space Center)
PER-ORGASSIGN = 'KSC-' || PER-ORGASSIGN

2. Make the following format changes to the data in PER-ORGLOC.

- Remove the blank space in PER-ORGLOC i.e. change 'GRC- 9400' to 'GRC-9400'. Only centers with a three-character acronym have a blank space, i.e. 'HQS', 'ARC', 'GRC', 'SSC', 'JSC', and 'KSC'.
- Update PER-ORGLOC data prefixed with 'HQS' to 'NH', i.e. change 'HQS-WIOO' to 'NH-WIOO'.

3. The size of PER-MINCDE has been increased from a one-character field to a twenty-character field to allow for the ethnic text description. Translate the existing one-character ethnic code to the text description based on the following.

'C' = 'African American'
'A' = 'American Indian'
'B' = 'Asian'
'F' = 'Asian Indian'
'E' = 'Caucasian'
'G' = 'Chinese'
'H' = 'Filipino'
'J' = 'Guamanian'
'K' = 'Hawaiian'
'D' = 'Hispanic'
'L' = 'Japanese'
'M' = 'Korean'
'Q' = 'Other Asian/Pacific'
'N' = 'Samoan'
'P' = 'Vietnamese'

4. Termination Date (field 45) will determine the value of the Supervisor Indicator. The Supervisor indicator will be set to '1' when the Termination date is null and the Supervisor Ind will be set to '0' when the Termination date is not null.

5. Termination Date (field 45) will determine the value of the Logpass. The Logpass will be set to the value in PER-NAMEFIRST (field 7) when the Termination date is null and the Logpass will be set to the Termination Date (field 45) when the Termination date is not null. The format of the Termination Date should be MM:DD:YYYY HH:MI:SS when it is used for Logpass.

6. Learners will be terminated in AdminSTAR based on the termination date on the learner file.

AGAOH.NPPSPP.ADMSTAR.ORG (Organization data)

Field Number	Length	Source Data Field	Remarks
1	10	ORG	See 1 below
2	1	field delimiter	Hardcoded '~'
3	4	INSTALLATION	
4	1	field delimiter	Hardcoded '~'
5	55	ORG-REM1	
6	1	field delimiter	Hardcoded '~'
7	8	Org Type	Hardcoded 'Org Unit'
8	1	field delimiter	Hardcoded '~'
9	10	Org Active Date	System date format MM/DD/YYYY
10	1	field delimiter	Hardcoded '~'
11	30	ORG-REM1	Same as field 7 above
12	1	field delimiter	Hardcoded '~'
13	4	Center ID	See 2 below

Total Max Length: 127

1. Prefix ORG with Center ID || '-' as follows:

- If Installation = '1000' (NASA Headquarters)
ORG = 'NH-' || ORG
- If Installation = '2100' (Ames Research Center)
ORG = 'ARC-' || ORG
- If Installation = '2200' (Glenn Research Center)
ORG = 'GRC-' || ORG
- If Installation = '2300' (Langley Research Center)
ORG = 'LARC-' || ORG
- If Installation = '2400' (Dryden Flight Research Center)
ORG = 'DFRC-' || ORG
- If Installation = '5100' (Goddard Space Flight Center)
ORG = 'GSFC-' || ORG
- If Installation = '6200' (Marshall Space Flight Center)
ORG = 'MSFC-' || ORG
- If Installation = '6400' (Stennis Space Center)
ORG = 'SSC-' || ORG
- If Installation = '7200' (Johnson Space Center)
ORG = 'JSC-' || ORG
- If Installation = '7600' (Kennedy Space Center)
ORG = 'KSC-' || ORG

2. Determine Center ID based on the following:

- If Installation = '1000' (NASA Headquarters)
Center ID = 'NH'
- If Installation = '2100' (Ames Research Center)
Center ID = 'ARC'
- If Installation = '2200' (Glenn Research Center)
Center ID = 'GRC'
- If Installation = '2300' (Langley Research Center)
Center ID = 'LARC'
- If Installation = '2400' (Dryden Flight Research Center)
Center ID = 'DFRC'
- If Installation = '5100' (Goddard Space Flight Center)
Center ID = 'GSFC'
- If Installation = '6200' (Marshall Space Flight Center)
Center ID = 'MSFC'
- If Installation = '6400' (Stennis Space Center)
Center ID = 'SSC'
- If Installation = '7200' (Johnson Space Center)
Center ID = 'JSC'
- If Installation = '7600' (Kennedy Space Center)
Center ID = 'KSC'

AGAOH.NPPSPP.ADMSTAR.LOCATION (Location data)

Field Number	Length	Source Data Field	Remarks
1	20	Location ID	Center ID + '-' + Org (see Center ID below)
2	1	field delimiter	Hardcoded '~'
3	30	Location Name	Center ID + '-' + Org + '-' Org Name (see Center ID below)
4	1	field delimiter	Hardcoded '~'
5	4	Address	Hard coded value (see 1 below)
6	1	field delimiter	Hardcoded '~'
7	20	City	Hard coded value (see 1 below)
8	1	field delimiter	Hardcoded '~'
9	2	State	Hard coded value (see 1 below)
10	1	field delimiter	Hardcoded '~'
11	10	Zip Code	Hard coded value (see 1 below)

Total Max Length: 91

1. If Installation = '1000' (NASA Headquarters)

Center ID = 'NH'

Address = 'NH'

City = 'Washington'

State = 'DC'

Zip Code = '20546'

If Installation = '2100' (Ames Research Center)

Center ID = 'ARC'

Address = 'ARC'

City = 'Moffett Field'

State = 'CA'

Zip Code = '940351000'

If Installation = '2200' (Glenn Research Center)

Center ID = 'GRC'

Address = 'GRC'

City = 'Cleveland'

State = 'OH'

Zip Code = '44135'

If Installation = '2300' (Langley Research Center)

Center ID = 'LARC'

Address = 'LARC'

City = 'Hampton'

State = 'VA'

Zip Code = '236810001'

If Installation = '2400' (Dryden Flight Research Center)

Center ID = 'DFRC'

Address = 'DFRC'

City = 'Edwards'

State = 'CA'

Zip Code = '935230273'

If Installation = '5100' (Goddard Space Flight Center)

Center ID = 'GSFC'
Address = 'GSFC'
City = 'Greenbelt'
State = 'MD'
Zip Code = '20771'
If Installation = '6200' (Marshall Space Flight Center)
Center ID = 'MSFC'
Address = 'MSFC'
City = 'Huntsville'
State = 'AL'
Zip Code = '35812'
If Installation = '6400' (Stennis Space Center)
Center ID = 'SSC'
Address = 'SSC'
City = 'Stennis Space Center'
State = 'MS'
Zip Code = '395296000'
If Installation = '7200' (Johnson Space Center)
Center ID = 'JSC'
Address = 'JSC'
City = 'Houston'
State = 'TX'
Zip Code = '77058'
If Installation = '7600' (Kennedy Space Center)
Center ID = 'KSC'
Address = 'KSC'
City = 'Kennedy Space Center'
State = 'FL'
Zip Code = '32899'