



DoD Enterprise Directory Services Capability

Contact Attributes Specification

Version 2.0

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Prepared by:
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Information Management, Integration and Technology/
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FOREWORD

The DoD Enterprise Guidance Board (EGB), in December 2008, approved the adoption of the Joint Enterprise Directory Service (JEDS) as the hub/aggregator of Global Address List (GAL) and contact data. The EGB directed the Security and Identity Management Tiger Team to finalize the contact attribute information required in the Enterprise Contact List (ECL) and to draft policy memos directing C/S/As to populate the ECL. This document updates and expands the Active Directory User Object Attributes Specification published in April 2005 and was reviewed by the Joint Directory Services Working Group (JDSWG). The original 13 Active Directory (AD) attributes are expanded to 32 contact attributes approved by the EGB for inclusion in the ECL. Updated implementation guidance is provided concerning values, formats, and authoritative sources for the expanded attribute list.

This specification applies to all DoD Components. It establishes DoD enterprise directory capability that can be used by any user in DoD to locate email addresses and other contact information such as DoD personnel phone numbers. This specification is effective upon approval.

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1.0 PURPOSE

This specification defines a set of contact attributes to be supplied to the Joint Enterprise Directory Services (JEDS) and included in the Enterprise Contact List (ECL) in support of Department of Defense (DoD) White Pages and an Enterprise Global Address List (GAL) service capability. Components should consistently use the formats and suggested/permissible values for the attributes identified in the specification.

1.1 APPLICABILITY/SCOPE

The specification applies to Office of the Secretary of Defense, the Military Departments, the Chairman of the Joint Chiefs of Staff, the Combatant Commands, the Inspector General of the Department of Defense, the Defense Agencies, the DoD Field Activities, and all other organizational entities within the Department of Defense (DoD) (hereafter referred to collectively as the “DoD Components”) using directory products on the Non-secure Internet Protocol Router Network (NIPRNet) or the Secret Internet Protocol Router Network (SIPRNet) to provide contact information to the DoD ECL. This specification does not address authorization attributes which are specified in a companion document *Department of Defense and Intelligence Community Unified Authorization and Attribute Service, Authorization Attribute Set, version 1.1, 5 December 2008*. This specification does not address functional and/or organizational accounts.

2.0 USER CONTACT ATTRIBUTES

Each user contact attribute is identified in the summary table below by the Attribute Friendly Name; whether available on NIPRNet (N), SIPRNet (S), or both (NS), and the Authoritative or Recommended Attribute Source. The Defense Enrollment Eligibility Reporting System (DEERS) is the authoritative source for certain identity attributes that are available from its NIPRNet and SIPRNet web services. The authoritative sources for work-related contact attributes, such as email addresses and telephone numbers, are the DoD Components. In the future, an individual’s contact attributes may be augmented directly by that individual through a JEDS User Maintenance Portal. There will be one ECL for NIPRNet and one ECL for SIPRNet. In the end state, it is expected that a portion of the NIPRNet attribute information, specifically the DEERS attributes, will be automatically synchronized from JEDS NIPRNet via a Defense Information Systems Agency (DISA) Enterprise Cross Domain Service one-way data feed for incorporation with SIPRNet attribute information into JEDS SIPRNet.

Table 2-1. User Contact Attributes

#	Attribute Friendly Name	N, S or NS (NIPRNet, SIPRNet, or Both)	Authoritative or Recommended Attribute Source
1	Last Name	NS	N: DEERS S: Global Directory Service (GDS) and DoD Components
2	First Name	NS	N: DEERS S: GDS and DoD Components
3	Middle Initial	NS	N: DEERS S: GDS and DoD Components
4	Generational Qualifier	NS	N: DEERS S: GDS and DoD Components
5	Rank/Salutation	NS	DEERS is primary for military rank with DoD Components as secondary. DoD Components are primary for salutation. DoD Components may elect to override rank with salutation to comply with Component OPSEC regulations/guidelines.
6	DoD Component	NS	N: DEERS is primary; DoD Components are secondary S: DoD Components
7	DoD Sub-Component	NS	NS: DoD Components are primary, DEERS is secondary
8	Position Title	NS	DoD Components
9	EDI_PI	N, S in the future	DEERS
10	NIPRNet Email Address	N	DoD Components are primary; GDS is secondary
11	SIPRNet Email Address	S	DoD Components are primary; GDS is secondary
12	Instant Messaging Address	N	DoD Components or DoD Enterprise Collaboration Service
13	Citizenship Status	NS	N: DEERS is primary; DoD Components are secondary S: DoD Components
14	Citizenship Country Code	NS	N: DEERS is primary, DoD Components are secondary S: DoD Components
15	Personnel Category Code	NS	N: DEERS—primary, DoD Components - secondary S: DoD Components

#	Attribute Friendly Name	N, S or NS (NIPRNet, SIPRNet, or Both)	Authoritative or Recommended Attribute Source
16	NIPRNet Display Name	N	DoD Components (where available), JEDS-derived from other attributes
17	SIPRNet Display Name	S	DoD Components (where available), JEDS-derived from other attributes
18	NIPRNet Email Encryption Certificate	N	GDS
19	SIPRNet Email Encryption Certificate	S	GDS
20	Business Phone—Commercial	NS	DoD Components
21	Mobile Phone Number	N	DoD Components
22	Business Phone—DSN	N	DoD Components
23	Business Fax Number—Commercial	N	DoD Components
24	Business Secure Phone Number	S	DoD Components
25	Secure Mobile Phone Number	S	DoD Components
26	Business Secure Fax Number	S	DoD Components
27	Business Address	NS	DoD Components
28	Business Address—City	NS	DoD Components
29	Business Address—State Code	NS	DoD Components
30	Business Address—Postal Code	NS	DoD Components
31	Business Address Country Code	NS	DoD Components
32	DoNotPublish	NS	DoD Components

2.1 ILLEGAL AND RARELY USED CHARACTERS

All attribute values must conform to standard alphanumeric characters and the hyphen (A-Z, a-z, 0-9, and -). The characters listed in Table 2-2 are not permitted as email contact attributes, except with the noted exceptions.

Table 2-2. Illegal Characters and Exceptions

Character(s)	Description	Exception
/\	Front and Back Slash	Slashes allowed in Subcomponent name.
()	Parenthesis	Permitted in Display Name to delineate citizenship.
[]	Square Brackets	
{}	Brackets	
:	Colon	
;	Semicolon	
	Vertical Bar	
=	Equals Sign	
+	Plus Sign	
*	Asterisks or Star	
?	Question Mark	
<	Less Than Sign	
>	Greater Than Sign	
_	Underscore	
^	Caret	
%	Percent Sign	
\$	Dollar Sign	
#	Pound Sign	
@	"At" Sign	Allowed as part of email addresses (e.g. user@disa.mil)
"	Double Quote Characters	
'	Apostrophe, Single Quote Characters	Apostrophe allowed as part of last name, display name and email addresses (e.g. O'Brien)
	Space	Allowed in display names, first names, and last names
!	Exclamation Point	
~	Tilde	
.	Period	Period allowed in email addresses
,	Comma	Comma allowed in display name
&	Ampersand	

2.2 CONTACT ATTRIBUTE VALUES, FORMATS, AND AUTHORITATIVE SOURCES

This section provides the description of the values, formats, and authoritative sources for the baseline attributes. Attributes may be searchable (attributes are indexed and may be searched in the DoD White Pages and Enterprise GAL), and/or displayed (end users may view the attribute values in the DoD White Pages and Enterprise GAL).

2.2.1 Last Name

Description	This attribute contains the legal last name for a user.
Authoritative Source	DEERS. Interim SIPRNet sources are GDS and DoD Components
Permissible / Non-Permissible Values	Alpha characters are permitted. Apostrophes, space, and hyphens are the only punctuation permitted.
Syntax	String (Unicode)
Searchable/Displayed	Searchable and displayed
Obligation	Mandatory
Notes	None

2.2.2 First Name

Description	This attribute contains the legal first name of the user
Authoritative Source	DEERS. Interim SIPRNet sources are GDS and DoD Components
Permissible / Non-Permissible Values	Alpha characters are permitted. Apostrophes, spaces, and hyphens are the only punctuation permitted. No Nicknames or "Known-by" names.
Syntax	String (Unicode)
Searchable/Displayed	Searchable and displayed
Obligation	Mandatory
Notes	None

2.2.3 Middle Initial

Description	This attribute contains the user's legal middle initial or initial letter of first middle name for individuals with more than one middle name. Leave blank for individuals who do not have a middle name.
Authoritative Source	DEERS. Interim SIPRNet sources are GDS and DoD Components
Permissible / Non-Permissible Values	Single alpha character or blank allowed. Punctuation is not permitted.
Syntax	String (Unicode)
Searchable/Displayed	Searchable and displayed
Obligation	Conditional. Must be populated for users who have a middle name.
Notes	None

2.2.4 Generational Qualifier

Description	This attribute contains a person's generational qualifier, (e.g., Jr or Sr or III). Leave blank for individuals who do not have a generational qualifier.
Authoritative Source	DEERS. Interim SIPRNet sources are GDS and DoD Components
Permissible / Non-Permissible Values	Punctuation is not permitted for Generational Qualifier. Examples: JR, SR, II, III, IV, V, VI, and VII.
Syntax	String (Unicode)
Searchable/Displayed	Not searchable, displayed
Obligation	Optional
Notes	None

2.2.5 Rank/Salutation

Description	This attribute contains a person's military rank for military individuals or a person's salutation for non-military individuals.
Authoritative Source	DEERS is the recommended primary source for military rank, based on its feeds from the Military Services' personnel databases. DoD Components are the secondary sources. The DoD Components are the primary sources for salutation.
Permissible / Non-Permissible Values	See Appendix 2 for valid values for military rank. Punctuation is not permitted. Rank will not be populated if governing DoD Component stipulates in its personnel regulations, e.g., Service special investigators. Examples of salutation: Mr, Ms, Miss, Mrs, Dr
Syntax	String (Unicode)
Searchable/Displayed	Searchable and displayed
Obligation	Mandatory
Notes	

2.2.6 DoD Component

Description	This attribute contains the DoD component the user is currently assigned to in the context of the directory.
Authoritative Source	DEERS is primary source. DoD Components are secondary sources.
Permissible / Non-Permissible Values	If using DEERS, there is a valid list of values. A sample list of user distinguishable component abbreviations is contained in Appendix 3. Punctuation is not permitted.
Syntax	String (Unicode)
Searchable/Displayed	Searchable and displayed
Obligation	Mandatory
Notes	The DoD Components should use the values in Appendix 3 as valid values. This is currently not the case.

2.2.7 DoD Sub-Component

Description	This attribute contains user distinguishable sub-components to the DoD component
Authoritative Source	The DoD Components are primary. DEERS is secondary.
Permissible / Non-Permissible Values	The value for this attribute shall be limited in length to 25 characters. Slashes and hyphens are permitted. Punctuation is not permitted.
Syntax	String (Unicode)
Searchable/Displayed	Searchable and displayed
Obligation	Optional
Notes	If using DEERS, there is a valid list of values. Not the case if attribute provided by DoD components.

2.2.8 Position Title

Description	This attribute contains a person's position title (e.g., Commander, Director of Operations)
Authoritative Source	DoD Components.
Permissible / Non-Permissible Values	
Syntax	String (Unicode)
Searchable/Displayed	Not Searchable, displayed
Obligation	Optional
Notes	

2.2.9 Electronic Data Interchange Person Identifier

Direction	Enter the person's Electronic Data Interchange Person Identifier (EDI_PI).
Description	This attribute contains the Electronic Data Interchange Person Identifier (EDI_PI) for a user. This is the official identifier issued by the Defense Manpower Data Center (DMDC). It can be found in the common name (CN) field of a DoD Public Key Infrastructure (PKI) certificate, which is on the Common Access Card (CAC).
Authoritative Source	DEERS.
Permissible / Non-Permissible Values	Designated EDI_PI from DMDC
Syntax	String (Unicode)
Searchable/Displayed	Not searchable and not displayed
Obligation	Conditional. Must be provided for people who have an EDI_PI.
Notes	Defining a unique identifier for people DoD-wide does not yet have Department consensus. Possible unique identifiers include EDI_PI (by itself) and a combination of EDI_PI and Personnel Category Code. Using both EDI_PI and PCC uniquely identifies people with multiple personas.

2.2.10 NIPRNet Electronic-Mail Address

Description	This attribute contains a user's NIPRNet email address. Identification of contractors and foreign nationals must be depicted in the email address in accordance with the Enterprise Email Standard (Uniform Resource Locator (URL): https://www.intelink.gov/wiki/DoD_Enterprise_E-Mail/Addressing_Standard) and the Enterprise Electronic Mail User Addressing Format Standard, 6 May 2009 (Draft).
Authoritative Source	DoD Components are primary; GDS is secondary.
Permissible / Non-Permissible Values	Email address officially designated from enterprise email or originating local environment. Format is specified in the Enterprise Electronic Mail Addressing Format Standard, 6 May 2009 (Draft). Separate entries will be published in the ECL in cases where an individual has multiple personas or email addresses.
Syntax	String (Unicode)
Searchable/Displayed	Searchable and displayed
Obligation	Mandatory
Notes	

2.2.11 SIPRNet Electronic-Mail Address

Description	This attribute contains a user's SIPRNet email address. Identification of contractors and foreign nationals must be depicted in the email address in accordance with DoD Instruction 8500.2. (URL: https://www.intelink.gov/wiki/DoD_Enterprise_E-Mail/Addressing_Standard) and the Enterprise Electronic Mail User Addressing Format Standard, 6 May 2009 (Draft).
Authoritative Source	DoD Components are primary; GDS is secondary.
Permissible / Non-Permissible Values	Email address officially designated from enterprise email or originating local environment. Separate entries will be published in the ECL in cases where an individual has multiple personas or email addresses.
Syntax	String (Unicode)
Searchable/Displayed	Searchable and displayed
Obligation	Conditional
Notes	SIPRNet Email address will NOT be available from the NIPRNet White Pages or Enterprise GAL, since currently it is supplied by Components via SIPRNet.

2.2.12 Instant Messaging Address

Description	This attribute is the user's Instant Messaging Address
Authoritative Source	DoD Components or the DoD Enterprise Collaboration Service
Permissible / Non-Permissible Values	
Syntax	String (Unicode)
Searchable/Displayed	Searchable and Displayed
Obligation	Optional
Notes	

2.2.13 Citizenship Status

Description	This attribute contains a user's US citizenship status.
Authoritative Source	DEERS is primary. DoD Components are the secondary sources
Permissible / Non-Permissible Values	Permissible values are Y (yes, US citizen), N (no, not US citizen), and Z (unknown). If one of the citizenships of a dual citizen is US, then the attribute is Y.
Syntax	String (Unicode)
Searchable/Displayed	Not searchable, displayed
Obligation	Mandatory
Notes	Both Citizenship Status and Citizenship Country Code are needed since today only Citizenship Status is well populated. In the long run, Citizenship Status may be unnecessary.

2.2.14 Citizenship Country Code

Description	This attribute contains a user's citizenship country code. May be blank if Citizenship Status = Y, US citizen.
Authoritative Source	DEERS is primary. DoD Components are the secondary sources
Permissible / Non-Permissible Values	Use International Standards Organization (ISO) 3166-1 2-character codes as supplied by DEERS. Department of Defense Instruction (DODI) 8500.2 directs that foreign nationals must be identified to aid in preventing the inadvertent disclosure of controlled information. Citizenship Country Code can have multiple non-US values or may be masked for security reasons.
Syntax	String (Unicode)
Searchable/Displayed	Not searchable, displayed
Obligation	Mandatory
Notes	<p>The 2-character code is recommended since that is the format supplied by DEERS. Note that some organizations use 3-character codes. A conversion table makes ISO 2-3 character conversion possible.</p> <p>Display Name will need to use the Country Code to show Foreign Nationals. A default value, FN, shall be used if the Citizenship Country Code is blank and the Citizenship Status is N or Z. It will also be used if the Country Code is to be masked.</p>

2.2.15 Personnel Category Code (PCC)

Description	This attribute contains the person's type of employment, indicating if government civilian, military, or contractor. This attribute simplifies building distribution lists and similar functions.
Authoritative Source	DEERS primary. DoD Components as secondary source (clarify when required) and as interim on SIPRNet
Permissible / Non-Permissible Values	Permissible values (can be multi-valued as supplied by DEERS): A Active duty member B Presidential Appointees of all Federal Government agencies C DoD and Uniformed Service civil service employee, except Presidential appointee D Disabled American veteran E DoD and Uniformed Service contract employee F Former member (Reserve service, discharged from RR or SR following notification of retirement eligibility) H Medal of Honor recipient I Non-DoD civil service employee, except Presidential appointee J Academy student K Non-appropriated fund DoD and Uniformed Service employee (NAF) L Lighthouse service M Non-federal Agency civilian associates N National Guard member O Non-DoD contract employee Q Reserve retiree not yet eligible for retired pay ("Grey Area Retiree") R Retired military member eligible for retired pay T Foreign military member U DoD OCONUS Hires V Reserve member W DoD Beneficiary, a person who receives benefits from the DoD based on prior association, condition or authorization, an example is a former spouse Y Service affiliates
Syntax	String (Unicode)
Searchable/Displayed	Not searchable, displayed
Obligation	Mandatory
Notes	

2.2.16 NIPRNet Display Name

Description	This attribute is created as a combination of attributes. Spaces for any blank fields that are not populated may be removed.
Authoritative Source	DoD Components or derived by JEDS
Permissible / Non-Permissible Values	Format defined in Enterprise Electronic Mail User Addressing Format Standard, 6 May 2009 (Draft).
Syntax	String (Unicode)
Searchable/Displayed	Searchable and displayed
Obligation	Mandatory
Notes	<p>It is anticipated that Display Name will be created by JEDS and provided for enterprise consumption.</p> <p>The Enterprise Email Addressing format document will specify the Display Name rules for individuals with multiple values for Personnel Category Codes, e.g., Foreign National and Student, or Foreign National and Contractor. Display Name will need to use the Country Code to show Foreign National. A default value such as FN should be used for citizenship code if the Citizenship Country Code is blank or masked.</p>

2.2.17 SIPRNet Display Name

Description	This attribute is created as a combination of attributes. Spaces for any blank fields that are not populated may be removed.
Authoritative Source	DoD Components or derived by JEDS
Permissible / Non-Permissible Values	Format defined in Enterprise Electronic Mail User Addressing Format Standard, 6 May 2009 (Draft).
Syntax	String (Unicode)
Searchable/Displayed	Searchable and displayed
Obligation	Conditional
Notes	<p>It is anticipated that Display Name will be created by JEDS and provided for enterprise consumption.</p> <p>The Enterprise Email Addressing format document will specify the Display Name rules for individuals with multiple values for Personnel Category Codes, e.g., Foreign National and Student, or Foreign National and Contractor. Display Name will need to use the Country Code to show Foreign National. A default value such as FN should be used for citizenship code if the Citizenship Country Code is blank or masked.</p>

2.2.18 NIPRNet Email Encryption Certificate

Description	This attribute is the user's NIPRNet email encryption certificate
Authoritative Source	GDS
Permissible / Non-Permissible Values	This is the Distinguished Encoding Rules (DER) encoded representation of the certificate.
Syntax	String (Unicode)
Searchable/Displayed	Not searchable, displayed
Obligation	Mandatory
Notes	

2.2.19 SIPRNet Email Encryption Certificate

Description	This attribute is the user's SIPRNet email encryption certificate
Authoritative Source	GDS
Permissible / Non-Permissible Values	This is the DER encoded representation of the certificate.
Syntax	String (Unicode)
Searchable/Displayed	Not searchable, displayed
Obligation	Optional
Notes	

2.2.20 Business Phone—Commercial

Description	This attribute is the user's business phone number (commercial)
Authoritative Source	DoD Components
Permissible / Non-Permissible Values	See format recommendation in Section 2.3.1.
Syntax	String (Unicode)
Searchable/Displayed	Not searchable, displayed
Obligation	Optional
Notes	

2.2.21 Mobile Phone Number

Description	This attribute is the user's mobile phone number.
Authoritative Source	DoD Components
Permissible / Non-Permissible Values	See format recommendation in Section 2.3.1.
Syntax	String (Unicode)
Searchable/Displayed	Not searchable, displayed
Obligation	Optional
Notes	

2.2.22 Business Phone—DSN

Description	This attribute is the user's Defense Switched Network (DSN) business or duty phone number.
Authoritative Source	DoD Components
Permissible / Non-Permissible Values	Include the full DSN number including the country code. Do not include "DSN" in the attribute value. See format recommendation in Section 2.3.1.
Syntax	String (Unicode)
Searchable/Displayed	Not searchable, displayed
Obligation	Optional
Notes	

2.2.23 Business Fax Number

Description	This attribute is the user's business fax number.
Authoritative Source	DoD Components
Permissible / Non-Permissible Values	See format recommendation in Section 2.3.1.
Syntax	String (Unicode)
Searchable/Displayed	Not searchable, displayed
Obligation	Optional
Notes	

2.2.24 Business Secure Phone Number

Description	This attribute is the user's secure phone number.
Authoritative Source	DoD Components
Permissible / Non-Permissible Values	See format recommendation in Section 2.3.1.
Syntax	String (Unicode)
Searchable/Displayed	Not searchable, displayed
Obligation	Optional
Notes	

2.2.25 Secure Mobile Phone Number

Description	This attribute is the user's secure mobile phone number
Authoritative Source	DoD Components
Permissible / Non-Permissible Values	See format recommendation in Section 2.3.1.
Syntax	String (Unicode)
Searchable/Displayed	Not searchable, displayed
Obligation	Optional
Notes	

2.2.26 Business Secure Fax Number

Description	This attribute is the user's business secure fax number.
Authoritative Source	DoD Components
Permissible / Non-Permissible Values	See format recommendation in Section 2.3.1.
Syntax	String (Unicode)
Searchable/Displayed	Not searchable, displayed
Obligation	Optional
Notes	

2.2.27 Business Address

Description	This attribute is the user's business address.
Authoritative Source	DoD Components
Permissible / Non-Permissible Values	
Syntax	String (Unicode)
Searchable/Displayed	Not searchable, displayed
Obligation	Optional
Notes	

2.2.28 Business Address—City

Description	This attribute is the user's business address—city.
Authoritative Source	DoD Components
Permissible / Non-Permissible Values	
Syntax	String (Unicode)
Searchable/Displayed	Not searchable, displayed
Obligation	Optional
Notes	

2.2.29 Business Address—State Code

Description	This attribute is the user's business address—state code.
Authoritative Source	DoD Components
Permissible / Non-Permissible Values	Recommendation: Use standard 2-character state codes, to include APO state codes.
Syntax	String (Unicode)
Searchable/Displayed	Not searchable, displayed
Obligation	Optional
Notes	

2.2.30 Business Address—Postal Code

Description	This attribute is the user's business address—postal code.
Authoritative Source	DoD Components
Permissible / Non-Permissible Values	
Syntax	String (Unicode)
Searchable/Displayed	Not searchable, displayed
Obligation	Optional
Notes	

2.2.31 Business Address—Country Code

Description	This attribute is the user's business address—country code.
Authoritative Source	DoD Components
Permissible / Non-Permissible Values	Use ISO 3166-1 two-character codes.
Syntax	String (Unicode)
Searchable/Displayed	Not searchable, displayed
Obligation	Optional
Notes	Note that some organizations use 3-character codes. Recommend use of drop-down menus for Country Code selection.

2.2.32 Do Not Publish

Description	Attribute that indicates that a complete entry for a persona must not be published in the JEDS White Pages and ECL. If one DoD component identifies an entry for which they are the authoritative source is DNP, then no information on the person for that Component will be published. Entry remains in JEDS to support Attribute Service requirements.
Authoritative Source	DoD Components
Permissible / Non-Permissible Values	If field is blank, default is that the entry will be published.
Syntax	Boolean.
Searchable/Displayed	Not searchable and not displayed
Obligation	Optional
Notes	The default is Publish.

2.3 Notes

2.3.1 Recommended Telephone Number Format

Two standard formats are recommended: one for North American phone numbers and the other for international phone numbers. North American Number format is specified by the North American Numbering Plan (NANP)—fixed-length 10-digit national numbers: 3-digit area codes followed by 7-digit local numbers. The recommended format is 999.999.9999 with optional extension x9999. Overseas phone numbers comply with the internationally agreed format for showing international telephone numbers, ITU-T Recommendation E.123 (e.g., +44 555 582 1101).

2.3.2 Entry/Attribute Protection

Components are to provide an attribute, Do Not Publish (DNP), indicating whether or not to publish an entire entry. If the attribute is set such that the complete entry is not to be published, no data about that person will be published to either the JEDS White Pages or Enterprise GAL view.

The Components must make JEDS aware of any rules not to publish particular attributes. The Components may choose to provide rules to JEDS to enforce (such as if person's Sub-Component=SPECIAL, then do not publish the rank value in the White Pages or GAL for that person.) Components are free to specify any rules that JEDS must enforce. JEDS uses a rules-based policy engine to control access to attribute values. Data protection agreements will be published in the MOA or MOU the organization signs with JEDS.

For individuals with multiple personas, such as Reservist and contractor, DNP will apply separately to each entry, i.e., DNP for one entry will not automatically apply to other entry.

2.3.3 Multiple Personas

Individuals with multiple personas, such as a military reservist who is also a contractor or government civilian, will have multiple entries with the same EDI-PI and possibly different Display Names and email addresses.

2.3.4 Possible Future Contact Attributes

2.3.4.1 Role/Position

Description	This attribute contains the user's role or battle position.
Authoritative Source	DoD Components
Permissible / Non-Permissible Values	This attribute is reserved to describe individual role or battle position rather than rank or salutation.
Syntax	String (Unicode)
Searchable	Displayed
Obligation	Optional
Issues	No standard list of values exists.



Appendix 1: ACRONYMS

AD	Active Directory
CAC	Common Access Card
C/S/A	Combatant Command/Service/Agency
CN	Common Name
DEERS	Defense Enrollment Eligibility Reporting System
DER	Distinguished Encoding Rules
DISA	Defense Information Systems Agency
DMDC	Defense Manpower Data Center
DNP	Do Not Publish
DoD	Department of Defense
DODI	Department of Defense Instruction
DSN	Defense Switched Network
ECL	Enterprise Contact List
EDI_PI	Electronic Data Interchange Person Identifier
EGB	Enterprise Guidance Board
GAL	Global Address List
GDS	Global Directory Service
ISO	International Standards Organization
ITU-T	Telecommunications Standards Sector (under the International Telecommunications Union)
JDSWG	Joint Directory Services Working Group
JEDS	Joint Enterprise Directory Service
MOA	Memorandum of Agreement
MOU	Memorandum of Understanding
NANP	North American Numbering Plan
NIPRNet	Non-secure Internet Protocol Router Network
OPSEC	Operations Security
PCC	Personnel Category Code
PKI	Public Key Infrastructure
SIPRNet	Secret Internet Protocol Router Network
SMTP	Simple Mail Transfer Protocol
URL	Uniform Resource Locator

Appendix 2: MILITARY RANK

Branch of Service	Pay Plan	Pay Grade	Rank	Rank Name
Army	Enlisted	E-1	PV1	Private (no insignia)
		E-2	PV2	Private
		E-3	PFC	Private First Class
		E-4	CPL	Corporal
			SPC	Specialist
		E-5	SGT	Sergeant
		E-6	SSG	Staff Sergeant
		E-7	SFC	Sergeant First Class
		E-8	MSG	Master Sergeant
			1SG	First Sergeant
		E-9	SGM	Sergeant Major
			CSM	Command Sergeant Major
	Officer	O-1	2LT	Second Lieutenant
		O-2	1LT	First Lieutenant
		O-3	CPT	Captain
		O-4	MAJ	Major
		O-5	LTC	Lieutenant Colonel
		O-6	COL	Colonel
		O-7	BG	Brigadier General
		O-8	MG	Major General
O-9		LTG	Lieutenant General	
O-10		GEN	General	
Warrant Officer	W-1	WO1	Warrant Officer	
	W-2	CW2	Chief Warrant Officer	
	W-3	CW3	Chief Warrant Officer	
	W-4	CW4	Chief Warrant Officer	
	W-5	CW5	Chief Warrant Officer	
N/A			OC	Officer Candidate
			CADET	Cadet
Navy			ROTC	Reserve Officer Training Corps
	Enlisted	E-1	SR	Seaman Recruit
		E-2	SA	Seaman Apprentice
		E-3	SN	Seaman

Contact Attributes Specification

Branch of Service	Pay Plan	Pay Grade	Rank	Rank Name
		E-4	PO3	Petty Officer Third Class
		E-5	PO2	Petty Officer Second Class
		E-6	PO1	Petty Officer First Class
		E-7	CPO	Chief Petty Officer
		E-8	SCPO	Senior Chief Petty Officer
		E-9	MCPO	Master Chief Petty Officer
			FLTCM	Fleet Master Chief Petty Officer
			MCPON	Master Chief Petty Officer of the Navy
	Officer	O-1	ENS	Ensign
		O-2	LTJG	Lieutenant Junior Grade
		O-3	LT	Lieutenant
		O-4	LCDR	Lieutenant Commander
		O-5	CDR	Commander
		O-6	CAPT	Captain
		O-7	RDML	Rear Admiral Lower Half
		O-8	RADM	Rear Admiral Upper Half
		O-9	VADM	Vice Admiral
		O-10	ADM	Admiral
	Warrant Officer	W-1	WO1	Warrant Officer
		W-2	CWO2	Chief Warrant Officer
		W-3	CWO3	Chief Warrant Officer
		W-4	CWO4	Chief Warrant Officer
		W-5	CWO5	Chief Warrant Officer
	N/A		MIDSHP	Midshipman
			AOC	Aviation Officer Candidate
			ROTC	Reserve Officer Training Corps
Marine Corps			OC	Officer Candidate
	Enlisted	E-1	Pvt	Private (no insignia)
		E-2	PFC	Private First Class
		E-3	LCpl	Lance Corporal
		E-4	Cpl	Corporal
		E-5	Sgt	Sergeant
		E-6	SSgt	Staff Sergeant
		E-7	GySgt	Gunnery Sergeant
		E-8	MSgt	Master Sergeant

Contact Attributes Specification

Branch of Service	Pay Plan	Pay Grade	Rank	Rank Name
			1stSgt	First Sergeant
		E-9	MGySgt	Master Gunnery Sergeant
			SgtMaj	Sergeant Major
			SgtMajMC	Sergeant Major of the Marine Corps
	Officer	O-1	2ndLt	Second Lieutenant
		O-2	1stLt	First Lieutenant
		O-3	Capt	Captain
		O-4	Maj	Major
		O-5	LtCol	Lieutenant Colonel
		O-6	Col	Colonel
		O-7	BGen	Brigadier General
		O-8	MajGen	Major General
		O-9	LtGen	Lieutenant General
		O-10	Gen	General
	Warrant Officer	W-1	WO	Warrant Officer 1
		W-2	CWO2	Chief Warrant Officer 2
		W-3	CWO3	Chief Warrant Officer 3
		W-4	CWO4	Chief Warrant Officer 4
		W-5	CWO5	Chief Warrant Officer
Air Force	N/A		PLC	Platoon Leaders Class
	Enlisted	E-1	AB	Airman Basic
		E-2	Amn	Airman
		E-3	A1C	Airman First Class
		E-4	SrA	Senior Airman
		E-5	SSgt	Staff Sergeant
		E-6	TSgt	Technical Sergeant
		E-7	MSgt	Master Sergeant
		E-8	SMSgt	Senior Master Sergeant
		E-9	CMSgt	Chief Master Sergeant
			CCM	Command Chief Master Sergeant
			CMSAF	Chief Master Sergeant of the Air Force
	Officer	O-1	2dLt	Second Lieutenant
		O-2	1stLT	First Lieutenant
		O-3	Capt	Captain
		O-4	Maj	Major

Contact Attributes Specification

Branch of Service	Pay Plan	Pay Grade	Rank	Rank Name
		O-5	LtCol	Lieutenant Colonel
		O-6	Col	Colonel
		O-7	BrigGen	Brigadier General
		O-8	MajGen	Major General
		O-9	LtGen	Lieutenant General
		O-10	Gen	General
	N/A		CADET	Cadet
			OC	Officer Candidate
			ROTC	Reserve Officer Training Corps
Coast Guard			AOC	Aviation Officer Candidate
	Enlisted	E-1	SR	Seaman Recruit
		E-2	SA	Seaman Apprentice
		E-3	SN	Seaman
		E-4	PO3	Petty Officer Third Class
		E-5	PO2	Petty Officer Second Class
		E-6	PO1	Petty Officer First Class
		E-7	CPO	Chief Petty Officer
		E-8	SCPO	Senior Chief Petty Officer
		E-9	MCPO	Master Chief Petty Officer
			CMC	Command Master Chief Petty Officer
			MCPOCG	Master Chief Petty Officer of the Coast Guard
	Officer	O-1	ENS	Ensign
		O-2	LTJG	Lieutenant Junior Grade
		O-3	LT	Lieutenant
		O-4	LCDR	Lieutenant Commander
		O-5	CDR	Commander
		O-6	CAPT	Captain
		O-7	RADM	Rear Admiral
		O-8	RADM	Rear Admiral
		O-9	VADM	Vice Admiral
		O-10	ADM	Admiral
	Warrant officer	W-1	WO-1	Warrant Officer
		W-2	CWO-2	Chief Warrant Officer
		W-3	CWO-3	Chief Warrant Officer
		W-4	CWO-4	Chief Warrant Officer

Contact Attributes Specification

Branch of Service	Pay Plan	Pay Grade	Rank	Rank Name
		W-5	CWO-5	Chief Warrant Officer
	N/A		ROTC	Reserve Officer Training Corps
			AOC	Aviation Officer Candidate
			OC	Officer Candidate
Foreign Army			MIDSHP	Midshipman
	Enlisted	E-1	PTE	Private
		E-2	PTE	Private
		E-3	LCPL	Lance Corporal
		E-4	CPL	Corporal
		E-5	SGT	Sergeant
		E-6	SGT	Sergeant
		E-7	SSGT	Staff Sergeant
		E-8	WO2	Warrant Officer Class 2
		E-9	WO1	Warrant Officer Class 1
	Officer	O-1	2LT	Second Lieutenant
		O-2	LT	Lieutenant
		O-3	CAPT	Captain
		O-4	MAJ	Major
		O-5	LTCOL	Lieutenant Colonel
		O-6	COL	Colonel
		O-7	BRIG	Brigadier
		O-8	MAJGEN	Major General
		O-9	LTGEN	Lieutenant General
Foreign Navy		O-10	GEN	General
	Enlisted	E-1	ORD	Ordinary
		E-2	AB	AB
		E-3	AB	AB
		E-4	LH	Leading Hand
		E-5	PO	Petty Officer
		E-6	PO	Petty Officer
		E-7	CPO	Chief Petty Officer
		E-8	CPO	Chief Petty Officer
		E-9	WO	Warrant Officer
	Officer	O-2	SLT	Sub Lieutenant
		O-3	LT	Lieutenant
		O-4	LTCDR	Lieutenant Commander
		O-5	CDR	Commander

Contact Attributes Specification

Branch of Service	Pay Plan	Pay Grade	Rank	Rank Name
		O-6	CAPT	Captain
		O-7	CMDR	Commodore
		O-8	RADM	Rear Admiral
		O-9	VADM	Vice Admiral
Foreign Marine Corps		O-10	ADM	Admiral
	Enlisted	E-1	PTE	Private
		E-2	PTE	Private
		E-3	LCPL	Lance Corporal
		E-4	CPL	Corporal
		E-5	SGT	Sergeant
		E-6	SGT	Sergeant
		E-7	CSGT	Colour Sergeant
		E-8	WO2	Warrant Officer Class 2
		E-9	WO1	Warrant Officer Class 1
	Officer	O-1	2LT	Second Lieutenant
		O-2	LT	Lieutenant
		O-3	CAPT	Captain
		O-4	MAJ	Major
		O-5	LTCOL	Lieutenant Colonel
		O-6	COL	Colonel
		O-7	BRIG	Brigadier
		O-8	MAJGEN	Major General
		O-9	LTGEN	Lieutenant General
Foreign Air Force		O-10	GEN	General
	Enlisted	01	AC	Aircraftsman
		02	LAC	Leading Aircraftsman
		03	SAC	Senior Aircraftsman
		04	CPL	Corporal
		05	SGT	Sergeant
		06	SGT	Sergeant
		07	FLTSGT	Flight Sergeant
		08	FLTSGT	Flight Sergeant
		09	WO	Warrant Officer
	Officer	01	PLTOFF	Pilot Officer
		02	FLGOFF	Flying Officer

Contact Attributes Specification

Branch of Service	Pay Plan	Pay Grade	Rank	Rank Name
		03	FLTLT	Flight Lieutenant
		04	SGNLDR	Squadron Leader
		05	WGCDR	Wing Commander
		06	GPCAPT	Group Captain
		07	ACOMDR	Air Commodore
		08	AVM	Air Vice Marshal
		09	AMSHL	Air Marshal
		10	ACMSHL	Air Chief Marshal
			OC	Officer Candidate

Appendix 3: DOD COMPONENT ATTRIBUTE VALUES

DoD Component Attribute Value	Definition
ASBCA	Armed Services Board of Contract Appeals
BTA	Defense Business Transformation Agency
CIA	Central Intelligence Agency
DARPA	Defense Advanced Research Projects Agency
DeCA	Defense Commissary Agency
DCAA	Defense Contract Audit Agency
DCMA	Defense Contract Management Agency
DFAS	Defense Finance and Accounting Service
DIA	Defense Intelligence Agency
DISA	Defense Information Systems Agency
DLA	Defense Logistics Agency
DLSA	Defense Legal Services Agency
DSCA	Defense Security Cooperation Agency
DTRA	Defense Threat Reduction Agency
DSS	Defense Security Service
JCS	Joint Chiefs of Staff
MDA	Missile Defense Agency
NG	National Guard
NGA	National Geospatial-Intelligence Agency
NORAD	North American Aerospace Defense Command
NRO	National Reconnaissance Office
NSA	National Security Agency/Central Security Service (CSS)
OSD	Office of the Secretary of Defense
PFPA	Pentagon Force Protection Agency
USA	US Army
USAF	US Air Force
USAFR	US Air Force Reserve
USAFRICOM	US Africa Command
USAR	US Army Reserve
USCENTCOM	US Central Command
USCG	US Coast Guard
USCGR	US Coast Guard Reserve
USEUCOM	US European Command
USJFCOM	US Joint Forces Command
USMC	US Marine Corps

Contact Attributes Specification

DoD Component Attribute Value	Definition
USMCR	US Marine Corps Reserve
USN	US Navy
USNORTHCOM	US Northern Command
USPACOM	US Pacific Command
USSOCOM	US Special Operations Command
USSOUTHCOM	US Southern Command
USSTRATCOM	US Strategic Command
USTRANSCOM	US Transportation Command
USNR	US Navy Reserve