

UNCLASSIFIED

ACP 133 SUPP-1(A)

COMMON DIRECTORY SERVICES AND PROCEDURES SUPPLEMENT

ACP 133 SUPP-1(A)



**COMBINED COMMUNICATIONS-ELECTRONICS
BOARD (CCEB)**

JULY 2009

i
UNCLASSIFIED

Original
(Reverse Blank)

FOREWORD

1. The Combined Communications-Electronics Board (CCEB) is comprised of the five member nations, Australia, Canada, New Zealand, United Kingdom and United States and is the Sponsoring Authority for all Allied Communications Publications (ACPs). ACPs are raised and issued under common agreement between the member nations.
2. ACP 133 SUPP-1 COMMON DIRECTORY SERVICES AND PROCEDURES SUPPLEMENT is an UNCLASSIFIED publication.
3. This publication contains Allied military information for official purposes only.
4. It is permitted to copy or make extracts from this publication.
5. This ACP Supplement is to be maintained and amended in accordance with the provisions of the current version of ACP198. Any amendments to this Supplement may also need to be reflected within the parent ACP.

**THE COMBINED COMMUNICATION-ELECTRONICS BOARD
LETTER OF PROMULGATION**

FOR ACP 133 SUPP-1

1. The purpose of this Combined Communication Electronics Board (CCEB) Letter of Promulgation is to implement ACP 133 SUPP-1 within the Armed Forces of the CCEB Nations. ACP 133 SUPP-1 COMMON DIRECTORY SERVICES AND PROCEDURES SUPPLEMENT is an UNCLASSIFIED publication developed for Allied use and, under the direction of the CCEB Principals. It is promulgated for guidance, information, and use by the Armed Forces and other users of military communications facilities.
2. ACP 133 SUPP-1 is effective on receipt for CCEB Nations. NATO Military Committee (NAMILCOM) will promulgate the effective status separately for NATO nations and Strategic Commands.

EFFECTIVE STATUS

Publication	Effective for	Date	Authority
ACP 133 SUPP-1(A)	CCEB	On Receipt	LOP/COMAG

3. This ACP will be reviewed periodically as directed by the CCEB Permanent Secretary.
4. All proposed amendments to the publication are to be forwarded to the national coordinating authorities of the CCEB or NAMILCOM.

For the CCEB Principals

Paul Foster

P. FOSTER
Major, CF
CCEB Permanent Secretary

TABLE OF CONTENTS

TITLE PAGE	i
FOREWORD	iii
THE COMBINED COMMUNICATION-ELECTRONICS BOARD	
LETTER OF PROMULGATION.....	v
RECORD OF MESSAGE CORRECTIONS.....	vii
TABLE OF CONTENTS.....	ix
LIST OF TABLES	x
 CHAPTER 1	 1-1
INTRODUCTION	1-1
GENERAL AND SCOPE.....	1-1
 CHAPTER 2	 2-1
SCHEMA DEFINITION	2-1
OVERVIEW	2-1
ADDITIONAL INFORMATION.....	2-1
ACP 133 CLASS SUBSETS	2-1
ATTRIBUTE SYNTAX DEFINITIONS	2-3
ATTRIBUTE DEFINITIONS	2-18
ADDITIONAL ACP 133 SCHEMA RULES.....	2-44
OBJECT CLASSES - ATTRIBUTES MAPPING TABLES.....	2-50
BASE OBJECT CLASS SCHEMA DEFINITIONS.....	2-63
BASE OBJECT CLASS DEFINITIONS	2-64
BASE ATTRIBUTE SETS.....	2-65
BASE AUXILIARY OBJECT CLASS CONTENT DEFINITIONS.....	2-71
BASE ENTRY DEFINITIONS	2-72
ACP 133 CLASS A OBJECT CLASS SCHEMA DEFINITIONS	2-86
ACP 133 CLASS A ATTRIBUTE SETS.....	2-86
ACP 133 CLASS A AUXILIARY OBJECT CLASS CONTENT DEFINITIONS	2-88
ACP 133 CLASS A ENTRY DEFINITIONS	2-95
ACP 133 CLASS B OBJECT CLASS SCHEMA DEFINITIONS	2-118
ACP 133 CLASS B AUXILIARY OBJECT CLASS CONTENT DEFINITIONS.....	2-119
ACP 133 CLASS B ENTRY DEFINITIONS.....	2-120
ACP 133 CLASS C OBJECT CLASS SCHEMA DEFINITIONS	2-121
ACP 133 CLASS C AUXILIARY OBJECT CLASS CONTENT DEFINITIONS	2-122
ACP 133 CLASS C ENTRY DEFINITIONS.....	2-124
ACP 133 CLASS D OBJECT CLASS SCHEME DEFINITIONS	2-141
ACP 133 CLASS D OBJECT CLASS CONTENT DEFINITIONS.....	2-141
 CHAPTER 3	 3-1
FUNCTIONAL DESCRIPTORS	3-1

LIST OF TABLES

Table 2-1 – Attribute Syntax Table Column Meanings	2-3
Table 2-2 – Attribute Syntax Table	2-17
Table 2-3 – Attribute Definition Table Column Meanings	2-18
Table 2-4 – Attribute Definition Table	2-43
Table 2-5 – Structure Rules Table	2-45
Table 2-6 – ACP 133 Object Class Hierarchy Table	2-47
Table 2-7 – ACP 133 Auxiliary Object Class Association Table	2-49
Table 2-8 – Object Classes – Attributes Mapping Tables	2-56
Table 2-9 – Object Classes – Attributes Mapping Tables	2-62
Table 2-10 – Object Class Table Column Meanings	2-64
Table 2-11 – Locale Attribute Set	2-65
Table 2-12 – Organizational Attribute Set	2-66
Table 2-13 – Postal Attribute Set	2-67
Table 2-14 – Telecommunication Attribute Set	2-68
Table 2-15 – Base Object Class Definitions	2-70
Table 2-16 – PKI Certification Authority Object Class	2-71
Table 2-17 – PKI User Auxiliary Object Class	2-72
Table 2-18 – Alias Entry	2-72
Table 2-19 – Country Entry	2-73
Table 2-20 – CRL Distribution Point Entry	2-74
Table 2-21 – Device Entry	2-75
Table 2-22 – Group of Names Entry	2-76
Table 2-23 – Inet Org Person Entry	2-79
Table 2-24 – Locality Entry	2-80
Table 2-25 – Organization Entry	2-81
Table 2-26 – Organizational Person Entry	2-82
Table 2-27 – Organizational Role Entry	2-83
Table 2-28 – Organizational Unit Entry	2-84
Table 2-29 – Person Entry	2-85
Table 2-30 – ACP Date Attribute Set	2-86
Table 2-31 – ACP 133 Class A Object Class Definitions	2-87
Table 2-32 – ACP Distribution Codes Handled Auxiliary Object Class	2-88
Table 2-33 – ACP Entry Administration Auxiliary Object Class	2-89
Table 2-34 – ACP Entry Characteristics Auxiliary Object Class	2-90
Table 2-35 – ACP MHS Capabilities Information Auxiliary Object Class	2-92
Table 2-36 – ACP Other Contact Information Auxiliary Object Class	2-94
Table 2-37 – ACP Address List Entry	2-97
Table 2-38 – ACP Alias Common Name Entry	2-98
Table 2-39 – ACP Alias Organizational Unit Entry	2-99
Table 2-40 – ACP Device Entry	2-100
Table 2-41 – ACP Distribution Code Description Entry	2-101
Table 2-42 – ACP Group of Names Entry	2-102

Table 2-43 – ACP Locality Entry 2-103

Table 2-44 – ACP Organization Entry..... 2-104

Table 2-45 – ACP Organizational Location Entry 2-107

Table 2-46 – ACP Organizational Person Entry..... 2-111

Table 2-47 – ACP Organizational Role Entry..... 2-115

Table 2-48 – ACP Organizational Unit Entry..... 2-118

Table 2-49 – ACP 133 Class B Object Class Definitions 2-118

Table 2-50 – ACP Secure PKI User Auxiliary Object Class..... 2-119

Table 2-51 – ACP CRL Distribution Point Entry..... 2-120

Table 2-52 – ACP 133 Class C Object Class Definitions 2-121

Table 2-53 – ACP Plain Language Address ACP 127 Auxiliary Object Class 2-122

Table 2-54 – ACP Plain Language Address Data Auxiliary Object Class 2-123

Table 2-55 – ACP PLA User Auxiliary Object Class 2-123

Table 2-56 – ACP Alternate Spelling ACP 127 Entry..... 2-124

Table 2-57 – ACP Collective Address Designator ACP 127 Entry 2-125

Table 2-58 – ACP DSSCS PLA Entry 2-127

Table 2-59 – ACP Organization ACP 127 Entry 2-129

Table 2-60 – ACP Plain Language Address Collective ACP 127 Entry 2-131

Table 2-61 – ACP Routing Indicator Entry 2-133

Table 2-62 – ACP Signal Intelligence Plain Language Address Entry 2-135

Table 2-63 – ACP Special Intelligence Plain Language Address Entry 2-137

Table 2-64 – ACP Special Products Distribution List Entry 2-138

Table 2-65 – ACP Task Force ACP 127 Entry..... 2-139

Table 2-66 – ACP Tenant ACP 127 Entry..... 2-140

Table 2-67 – ACP 133 Class D Object Class Definitions..... 2-141

Table 2-68 – ACP Privilege Entry 2-142

CHAPTER 1
INTRODUCTION

GENERAL AND SCOPE

101. The function of this document, Allied Communication Publication (ACP) 133 (SUPP-1(A)), is to provide the Directory schema definition for ACP 133. In addition to providing the schema reference for ACP 133, this supplement provides sufficient technical detail to guide a developer in this schema's implementation.

102. This document is comprised mainly of a set of tables defining Attributes, Structure Rules, Object Class Hierarchy, Auxiliary Object Class and Structural Object Class relationships, and mappings between these Object Classes and ACP 133 attributes.

103. This document contains references to each Attribute's source. That is, where the attribute is defined by ITU, RFC, ISO, ACP or other military and international standards. Implementers should refer to these standards for technical details not covered in this supplement.

104. This supplement has been intended to capture any further changes to the ACP 133 Directory schema, and will be modified as change requests, or extensions, to the schema are approved.

CHAPTER 2

SCHEMA DEFINITION

OVERVIEW

201. The Attribute definitions used by the ACP 133 Core Schema are listed in two tables. The first (Table 2-2) defines the attribute syntaxes required for ACP 133 including their LDAP representations, the second (Table 2-4) lists each supported attribute and defines its source, usage and definition.

202. These attribute definitions are followed by a number of tables defining:

- a. A definition of the Structure Rules required by the Schema (Table 2-5);
- b. An Object Class Hierarchy table, showing which ACP 133 Object Classes are subclasses to other ACP 133, X.500 or externally defined Structural Object Classes (Table 2-6);
- c. A mapping between ACP 133 Auxiliary Object Classes and the Structural Object Classes with which they may be associated (Table 2-7); and
- d. A mapping between Object Classes used within ACP 133 and attributes which may be present within them (Table 2-8).

203. The final sections of this Annex are definitions of Object Classes within the respective Classes into which the Schema has been portioned (Table 2-12 to 2-67).

ADDITIONAL INFORMATION

204. This section contains additional information useful across all following tables.

ACP 133 CLASS SUBSETS

205. This edition of the ACP 133 schema has broken the core ACP 133 schema into separate subsets, each providing a unique set of capability. Emphasis is given to international interoperability, and the classes have been defined with this in mind. Classes are:

- a. **Class A: Core International Interoperability Subset.** Any nation wishing to share directory information with another nation must fully support this subset;
- b. **Class B: Public Key Infrastructure (PKI) Subset.** Any nation wishing to exchange PKI information such as Certificate Revocation Lists (CRLs) must fully support this subset. Note that some Class B auxiliary Object classes and attributes are used within Class A Object Classes. This is for completeness. Any such usage must be removed before entries are shared with nations supporting Class A only;

- c. **Class C: Legacy Messaging Subset.** This subset contains information relating to legacy ACP 127 messaging;
 - d. **Class D: Identity management Subset.** This subset contains information for Identity Management Object Classes;
 - e. **Class E: Deprecated Subset.** This subset contains objects and attributes which are candidates for deprecation from ACP 133, as they have little place in interoperability. They may be retained in an unsupported status for informational purposes and nations would then be free to ignore or use them as required;
 - f. **Class F: Non-Applicable Subset.** This subset is included for completeness and contains objects and attributes which are defined within reference documents, but which are not to be used within ACP 133; and
 - g. **Class Z:** Base X.500 and RFC Schema attributes required by ACP 133 Edition C.
206. Colour Coding Conventions:
- a. The following colours have been used in the tables to ease the identification of elements from the various classes of ACP 133 listed above:
 - (1) **Class A (Core):** Yellow (i.e., **Yellow**);
 - (2) **Class B (PKI):** Blue (i.e., **Blue**);
 - (3) **Class C (Legacy MM):** Green (i.e., **Green**);
 - (4) **Class D (Identity Management):** Pink (i.e., **Pink**);
 - (5) **Class E (Deprecated):** Orange (i.e., **Orange**). These definitions have been removed for ease of reading and conciseness; and
 - (6) **Class F (N/A):** White. These definitions have been removed for ease of reading and conciseness.

ATTRIBUTE SYNTAX DEFINITIONS

207. Attribute Syntax Table Column Meanings:

Attribute Syntax Name	This column contains the name of each attribute syntax.
Source Definition	This column identifies the source(s) of the attribute syntax, as defined in Annex A.
Description (and X.500 definition where appropriate)	This column describes the attribute syntax and lists allowable values and/or formally defines the syntax. Formal syntax definitions and possible values are displayed in Bold .
LDAP Definition with Examples	This column describes the encoding of the attribute syntax in LDAP, and gives examples of how the syntax is physically transferred as LDAP attributes. Examples of LDAP form of attribute transfer are given in <i>Bold/Italic</i> .

Table 2-1 – Attribute Syntax Table Column Meanings

Note that some entries in this table are not true attribute syntaxes, but are attribute supertypes or other less formal definitions. Where relevant, this is indicated within the appropriate entry. Also a few syntaxes are not currently used but have been included for future use. Again these are indicated.

208. Attribute Syntax Table:

Attribute Syntax Name	Source Definition	Description (and X.500 definition where appropriate)	LDAP Definition with Examples
ACPTelephoneFaxNumberSyntax (Note that this is strictly an attribute Supertype).	ACP 133	<p>A telephone number that is used for military purposes and contains the following PrintableString substrings which are separated by commas:</p> <ul style="list-style-type: none"> - <i>network or site identifier</i> (max 6 printable characters). - <i>telephone number</i> (max 32 printable characters). - <i>security device identifier</i> (max 8 printable characters). <p>The security device identifier (and preceding substring comma separator) is present only if the military telephone number is secured (i.e., attribute subtypes <i>secureTelephoneNumber</i> or <i>secureFacsimileNumber</i>). If only one substring is present, it is assumed to be the <i>telephone number</i> field.</p> <p>PrintableString (SIZE (48))</p>	<p>The LDAP Representation of ACPTelephoneFaxNumberSyntax is up to three Comma separated PrintableString fields (excluding comma in the case of the first two fields), e.g.: <i>PSTN, +1 555 222 ext. 34, STU III</i></p>
AttributeCertificate	X.509	<p>Certificate related to an individual attribute allowing access control to be role based, defined as follows:</p> <p>AttributeCertificate ::= SIGNED {AttributeCertificateInfo}</p> <p>AttributeCertificateInfo ::= SEQUENCE</p> <pre>{ version AttCertVersion DEFAULT v1, holder Holder, issuer AttCertIssuer, signature AlgorithmIdentifier, serialNumber CertificateSerialNumber, attrCertValidityPeriod AttCertValidityPeriod, attributes SEQUENCE OF Attribute, issuerUniqueID UniqueIdentifier OPTIONAL, extensions Extensions OPTIONAL }</pre>	<p>LDAP transfer of this syntax must only be using binary encoding. The “;Binary” substring should always follow the attribute name when using LDAP to request or set an attribute with this syntax.</p>
BitString	RFC 2252	<p>Ordered sequence of zero, one or more bits.</p>	<p>LDAP representation of a Bit String is a string of binary digits (zeros or ones), following a leading quote (‘) and terminated by quoteB, e.g.: ‘0111011010’B</p>
Boolean	X.208 / RFC 2252	<p>Attribute value which can be logically True or False.</p>	<p>LDAP representation of Boolean is the string value of either TRUE or FALSE.</p>

Attribute Syntax Name	Source Definition	Description (and X.500 definition where appropriate)	LDAP Definition with Examples
Certificate	X.509 / RFC 2252	<p>Signed collection of information, including the user's distinguished name and public key, as well as an optional <i>unique identifier</i> containing additional information about the user, defined as follows:</p> <pre> Certificate ::= SIGNED { SEQUENCE { version [0] Version DEFAULT v1, serialNumber CertificateSerialNumber, signature AlgorithmIdentifier, issuer Name, validity Validity, subject Name, subjectPublicKeyInfo SubjectPublicKeyInfo, issuerUniqueIdentifier [1] IMPLICIT UniqueIdentifier OPTIONAL, subjectUniqueIdentifier [2] IMPLICIT UniqueIdentifier OPTIONAL, extensions [3] Extensions OPTIONAL } } </pre>	<p>LDAP transfer of this syntax must only be using binary encoding. The “;Binary” substring should always follow the attribute name when using LDAP to request or set an attribute with this syntax. The BNF notation of RFC 1178 for “User Certificate” is not to be used.</p>
CertificateList	X.509 / RFC 2252	<p>List of Certificates used by Revocation List entries, defined as follows:</p> <pre> CertificateList ::= SIGNED { SEQUENCE { version Version OPTIONAL, signature AlgorithmIdentifier, issuer Name, thisUpdate Time, nextUpdate Time OPTIONAL, revokedCertificates SEQUENCE OF SEQUENCE { serialNumber CertificateSerialNumber, revocationDate Time, crlEntryExtensions Extensions OPTIONAL } OPTIONAL, crlExtensions [0] Extensions OPTIONAL } } </pre>	<p>LDAP transfer of this syntax must only be using binary encoding. The “;Binary” substring should always follow the attribute name when using LDAP to request or set an attribute with this syntax. The BNF notation of RFC 1178 for “Authority Revocation List” is not to be used.</p>

Attribute Syntax Name	Source Definition	Description (and X.500 definition where appropriate)	LDAP Definition with Examples
CertificatePair	X.509 / RFC 2252	Pair of Certificates required for cross certification, defined as follows: CertificatePair ::= SEQUENCE { forward [0] Certificate OPTIONAL, reverse [1] Certificate OPTIONAL -- at least one of the pair shall be present -- }	LDAP transfer of this syntax must only be using binary encoding. The “;Binary” substring should always follow the attribute name when using LDAP to request or set an attribute with this syntax. The BNF notation of RFC 1178 for “Certificate Pair” is not to be used.
Classification	ACP 133	Classification value held as an Integer , with the following values: 0 – unmarked. 1 – unclassified. 2 – restricted. 3 – confidential. 4 – secret. 5 – top-secret. NATO and other nation specific classifications may be defined in future.	LDAP representation of Classification is an Integer, with values as listed in the left hand box.

Attribute Syntax Name	Source Definition	Description (and X.500 definition where appropriate)	LDAP Definition with Examples
Clearance	X.501	<p>A clearance attribute associates a clearance with a named entity including DUAs.</p> <pre>clearance ATTRIBUTE ::= { WITH SYNTAX Clearance ID id-at-clearance }</pre> <pre>Clearance ::= SEQUENCE { policyId OBJECT IDENTIFIER, classList ClassList DEFAULT {unclassified}, securityCategories SET SIZE (1..MAX) OF SecurityCategory OPTIONAL }</pre> <pre>ClassList ::= BIT STRING { unmarked (0), unclassified (1), restricted (2), confidential (3), secret (4), topSecret (5) }</pre> <pre>SecurityCategory ::= SEQUENCE { type [0] SECURITY CATEGORY.&id ({SecurityCategoriesTable}), value [1] EXPLICIT SECURITY CATEGORY.&Type ({SecurityCategoriesTable} {@type}) }</pre> <pre>SECURITY CATEGORY ::= TYPE IDENTIFIER</pre> <pre>SecurityCategoriesTable SECURITY CATEGORY ::= { ... }</pre> <p>The policyId component conveys an identifier that may be used to identify the security policy in force to which the clearance classList and securityCategories relates.</p> <p>The classList component includes a list of classifications that are associated with the named entity.</p> <p>The securityCategories (see 8.5.9 of ITU-T Rec. X.411 ISO/IEC 10021-4) component, if present, provides further restrictions within the context of a classList.</p> <p>NOTE – A clearance is securely bound to a named entity using an Attribute Certificate (ITU-T Rec. X.509 ISO/IEC 9594-8), a public key Certificate extension field (e.g. within the SubjectDirectoryAttribute extension) (ITU-T Rec. X.509 ISO/IEC 9594-8), or means outside the scope of this Directory Specification.</p>	<p>LDAP transfer of this syntax must only be using binary encoding. The “;Binary” substring should always follow the attribute name when using LDAP to request or set an attribute with this syntax.</p>

Attribute Syntax Name	Source Definition	Description (and X.500 definition where appropriate)	LDAP Definition with Examples
CountryString	ISO 3166	A two-character country mnemonic as a string chosen from ISO 3166.	The LDAP representation of CountryString is the string value itself, limited to values of exactly two PrintableString characters. <i>GB, US</i>
DestinationIndicator	X.520 / F.1 / F.31	PrintableString containing alphabetic characters only, which specifies a country and city (according to ITU-T Recommendation F.1 and CCITT Recommendation F.31) which are needed to provide the Public Telegram Service, defined as follows: PrintableString (SIZE (1..128))	The LDAP representation of DestinationIndicator is the string value itself. <i>AUSY</i>
DistinguishedName (DN)	X.520 / RFC 2253	Base type from which the Name of an object is derived.	The LDAP representation of a DistinguishedName is an ordered set of Relative Distinguished Names (RDNs), each RDN being a comma separated attribute-value pair, starting with the least significant in the DIT structure. <i>CN=myRole, OU=myDepartment, O=myCompany, C=nz</i>
DirectoryString	X.520 / RFC 2252	Generic string representation encompassing all other supported X.500 string types, comprising: DirectoryString ::= CHOICE { teletexString TeletexString (SIZE (1..maxSize)), printableString PrintableString (SIZE (1..maxSize)), bmpString BMPString (SIZE (1..maxSize)), universalString UniversalString (SIZE (1..maxSize)), utf8String UTF8String (SIZE (1..maxSize)) } Note that some implementations may not support UniversalString , bmpString , or UTF8String , and may not be able to generate, match, shadow, or display attributes with these syntax types. Hence these forms should be avoided where possible.	The LDAP representation of a DirectoryString in the PrintableString form is the string value itself. It is unlikely that other forms will be encountered. <i>This is a DirectoryString containing ###!%</i>

Attribute Syntax Name	Source Definition	Description (and X.500 definition where appropriate)	LDAP Definition with Examples
DLSubmitPermission	X.402 / RFC 1778	Attribute which grants submit permissions to zero or more user(s) or DLs. DLSubmitPermission ::= CHOICE { individual [0] ORName, member-of-dl [1] ORName, pattern-match [2] ORNamePattern, member-of-group [3] Name }	The LDAP representation of a DLSubmitPermission value is one of four keywords, followed by the appropriate LDAP format attribute. Allowable keywords (and corresponding value syntaxes) are as follows: individual: ORName dl_member: ORName pattern: ORNamePattern group_member: DistinguishedName ORName and ORNamePattern are both defined below. The DN associated with a group_member keyword should be a groupOfNames entry.
FacsimileTelephoneNumber	X.520 / E.123 / T.30 / RFC 2252	Facsimile telephone number held as two separate fields, the first being the number itself (formatted according to CCITT recommendation E.123), and the second optional bit string (formatted according to CCITT recommendation T.30) containing any parameters present, defined as follows: FacsimileTelephoneNumber ::= SEQUENCE { telephoneNumber TelephoneNumber parameters G3FacsimileNonBasicParameters OPTIONAL }	The LDAP representation of a FacsimileTelephoneNumber comprises a PrintableString containing the fax number itself, followed by an optional set of parameters, with a dollar (\$) character separating the two. Each parameter present is separated from the next by a dollar (\$) character, and contains a token comprising a string value of: twoDimensional. fineResolution. unlimitedLength. b4Length. a3Width. b4Width. uncompressed. <i>+44 1420 587654\$a3Width\$uncompressed</i>
GeneralizedTime	X.208 / ISO 2014 / ISO 3307 / ISO 4031 / RFC 2252	Built-in ASN.1 type representing a date and time, comprising a calendar date as represented by ISO 2014, a time of day to any of the precisions defined in clause 2 of ISO 3307 and the local differential factor as defined in ISO 4031.	The LDAP representation of GeneralizedTime is a PrintableString as specified in X.208, including the time zone field. It is strongly recommended that GMT time is used. <i>20050729103215Z</i>

UNCLASSIFIED

ACP 133 SUPP-1(A)

Attribute Syntax Name	Source Definition	Description (and X.500 definition where appropriate)	LDAP Definition with Examples
Guide	X.520 / RFC 2256	Information of suggested search criteria which may be included in some entries expected to be a convenient base object for the search operation, defined as follows: Guide ::= SET { objectClass [0] OBJECT-CLASS.&id OPTIONAL, criteria [1] Criteria }	The LDAP representation of Guide is given in RFC 2256 section 6.3.
IA5String	T.50 / RFC 2252	String representation containing characters from the IA5 Text character set.	The LDAP representation of an IA5String is the string value itself. <i>123abcDEF</i>
Integer	X.208 / RFC 2252	Built-in ASN.1 type containing a positive or negative whole number value.	The LDAP representation of an Integer is the decimal representation of the value, with each decimal digit represented by its character equivalent. <i>15278</i>
InternationalISDNNumber	E.164	Numeric String containing an International ISDN Number, containing characters complying with E.164 only, defined as follows: NumericString (SIZE (1..16))	The LDAP representation of an International ISDN Number is the numeric string itself. <i>Example required.....</i>
JPEG	JFIF / RFC 2798 / RFC 2252	JPEG Image in JPEG File Interchange Format (JFIF) format.	The LDAP representation of a JPEG is an octet string containing the JPEG image. The “; Binary ” substring should always follow the attribute name when using LDAP to request or set an attribute with this syntax.
Name (Note that this is strictly an attribute Supertype).	X.520	Supertype defining a directorystring from which string attributes typically used for naming are formed.	The LDAP representation of a Name is the string value itself. <i>John Smith, DCSA-Directory1</i>
NumericString	X.208	String representation containing characters from the Numeric String character set defined in Table 4 of X.208.	The LDAP representation of a NumericString is the string value itself. <i>1237643</i>
OctetString	X.208	Built-in ASN.1 type comprising an ordered sequence of zero, one or more octets, each octet being an ordered sequence of eight bits.	The LDAP representation of an OctetString is the string value itself.
ObjectIdentifier	X.208 RFC 1778	Value which is associated with an information object.	The LDAP representation is the OID value held as either a sequence of dot “.” Separated numeric strings or an alphanumeric description of the OID. <i>1.3.45.6323.17</i> <i>objectClass</i>

UNCLASSIFIED

ACP 133 SUPP-1(A)

Attribute Syntax Name	Source Definition	Description (and X.500 definition where appropriate)	LDAP Definition with Examples
ORAddress	X.402 / RFC 1327	An ordered set of attributes which comprise the address of a user or distribution list within an X.400 messaging system.	The LDAP representation of an X.400 address is a (normally) PrintableString as defined in RFC 1327. <i>/C=US/ADMD=SIPRNET/PRMD=XXX/CN=John Smith/</i>
ORName	X.402 / RFC 1778	An X.400 naming and addressing attribute, defined as follows: ORName ::= SEQUENCE { orAddress ORAddress, directory-name [0] Name OPTIONAL }	The LDAP representation of an X.400 Name is a (normally) PrintableString as defined in RFC 1778. The PrintableString may be composed of two parts, a mandatory keyword “X400” followed by an (optional) ORAddress, plus an optional DN, following a “#” separator. The DN (if present) comprises a keyword “X500” followed by DistinguishedName. Note that X.411 allows for a blank ORAddress field if an X.500 DN is present, whilst RFC 1778 does not. The blank ORAddress form is allowed in this specification. <i>X400:/C=gb/o=mil/CN=testuser/</i> <i>X400:/#X500:/CN=dnEntry/OU=mil/O=gov/C=AU/</i>
ORNamePattern	X.402 / RFC 1778	Part of an X.400 naming and addressing attribute used for pattern matching purposes.	The LDAP representation of an ORNamePattern is a subset of ORName, containing those fields which need to be matched. <i>X400:/C=gb/o=mod2</i>
PostalAddress	X.520 / RFC 2252	Built-In X.500 attribute syntax comprising a list of Physical Address fields, represented as a sequence of up to 6 Directory Strings, defined as follows: SEQUENCE OF PrintableString (SIZE (1..30))	If the PostalAddress value is empty, the LDAP representation is an empty string. Otherwise, the LDAP representation of a PostalAddress consists of a Directory String of each element in the same order as in the sequence with the “\$” character between the elements, e.g.: <i>17 Acacia Gardens\$Slough\$Middlesex\$SN99 4QQ</i>

Attribute Syntax Name	Source Definition	Description (and X.500 definition where appropriate)	LDAP Definition with Examples
PreferredDeliveryMethod	X.520 / RFC 2256	<p>An object's priority order regarding the method to be used for communicating with it, defined as a SEQUENCE OF INTEGER with meanings as follows:</p> <ul style="list-style-type: none"> 0 – any-delivery-method. 1 – mhs-delivery. 2 – physical-delivery. 3 – telex-delivery. 4 – teletext-delivery. 5 – g3-facsimile-delivery. 6 – g4-facsimile-delivery. 7 – ia5-terminal-delivery. 8 – videotex-delivery. 9 – telephone-delivery. 	<p>If the PreferredDeliveryMethod value is empty, the LDAP representation is an empty string. Otherwise, the LDAP representation of PreferredDeliveryMethod consists of a PrintableString of each element (as listed below) in the same order as in the sequence with the SequenceSeparator between the elements. Allowable element values are:</p> <p>any mhs physical telex teletex g3fax g4fax ia5 videotex telephone</p> <p>An example could be: <i>telephone \$ mhs</i></p>
PrintableString	X.208 / RFC 2252	String representation containing characters from the Printable String character set defined in Table 5 of X.208.	<p>The LDAP representation of a PrintableString is the string value itself. Allowable values defined as <i>p</i> in section 4.1 of RFC 2252.</p> <p><i>ABC123(+?)</i></p>
RIParameters	ACP 133 / CCEB 1006	<p>Sequence of dollar separated Routing Indicator Parameters, comprising:</p> <ul style="list-style-type: none"> - Routing Indicator (Printable String of between 5 and 8 characters). - RI Type (Integer with values as listed below). - Minimize Flag (Boolean). - Special Handling Designator String (Printable String of between 5 and 8 characters). - Classification (Integer value as defined for Classification). <p>The RIParameters attribute syntax is defined as follows: SequenceofPrintableString (SIZE (27))</p> <p>The alternative representation ASN.1 SET specification of RIParameters has been deprecated in favour of this form, which may be used by LDAP servers and other X.500 servers not supporting RIParameters as a built-in syntax.</p>	<p>Each RI Parameter value is represented in LDAP as a number of dollar separated fields, as defined in the left hand panel. Empty values are indicated by successive dollar characters.</p> <p>For example: <i>RGABDFE\$0\$FALSE\$RBFDSRF\$3</i></p>

Attribute Syntax Name	Source Definition	Description (and X.500 definition where appropriate)	LDAP Definition with Examples
SecurityPolicyInformationFile	X.501	The Security Policy Information File (SPIF) contains information used to interpret the partition-based access control parameters contained in X.509 certificates and security labels, as follows. SecurityPolicyInformationFile ::= SIGNED {SPIF}	LDAP transfer of this syntax must only be using binary encoding. The “;Binary” substring should always follow the attribute name when using LDAP to request or set an attribute with this syntax.
SequenceOfDirectoryString	ACP 133	String representation of an ordered set of zero or more Directory Strings held within a single attribute value. It may contain characters from the DirectoryString character set.	DirectoryString containing zero or more separate and ordered DirectoryStrings, separated by Sequenceseparator characters. The Backslash character (\) is used as an escape character to precede Dollar or Backslash characters occurring in attribute value string. Abc\z£\$! \$ abcdef corresponds to two separate attribute values Abc\z£\$! and abcdef .
SequenceOfInteger	ACP 133	String representation of an ordered set of zero or more Integers held within a single attribute value. It may contain only a limited set of characters from the DirectoryString character set, comprising digits (0-9) plus SequenceSeparator .	DirectoryString comprising digits plus Sequenceseparator which is used as the separator between individual numeric attribute values. 1 \$ 4 \$ 27 corresponds to three separate attribute values 1, 4 and 27 .
SequenceOfPrintableString	ACP 133	String representation of an ordered set of zero or more PrintableStrings within a single attribute value. It may contain a limited set of characters from the DirectoryString character set, comprising all PrintableString characters plus SequenceSeparator .	DirectoryString containing zero or more separate and ordered PrintableStrings separated by Sequenceseparator characters. Abce() \$ xyz: corresponds to two separate attribute values Abce() and xyz: .
SequenceSeparator	RFC 2256	N/A.	PrintableString comprising <space>Dollar<space> (i.e. “ \$ ”) which is used by LDAP to separate certain sequences of attribute values.
SPIF (1 of 3)	X.501	SPIF ::= SEQUENCE { versionInformation defaultSecurityPolicyIdData [2] securityPolicyIdData securityClassifications SecurityClassification, privilegeId rbacId securityCategeoryTagSets [0] SecurityCategoryTagSet equivalentPolicies [3] EquivalentPolicy extensions [1] VersionInformationData, ObjectIdData OPTIONAL, ObjectIdData, SEQUENCE OF OBJECT IDENTIFIER, OBJECT IDENTIFIER, SEQUENCE OF OPTIONAL, SEQUENCE OF OPTIONAL, Extensions OPTIONAL }	LDAP transfer of this syntax must only be using binary encoding. The “;Binary” substring should always follow the attribute name when using LDAP to request or set an attribute with this syntax.

Attribute Syntax Name	Source Definition	Description (and X.509 definition where appropriate)	LDAP Definition with Examples
SPIF (2 of 3))	X.501	<pre> VersionInformationData ::= SEQUENCE { versionNumber INTEGER, creationDate GeneralizedTime, originatorDistinguishedName Name, keyIdentifier OCTET STRING } ObjectIdentifier ::= SEQUENCE { objectIdentifier OBJECT IDENTIFIER, objectIdentifierName TeletexString (SIZE (1..ubObjectIdentifierNameLength)) } SecurityClassification ::= SEQUENCE { labelAndCertValue INTEGER, classificationName DirectoryString (SIZE {ubClassificationNameLength}), equivalentClassifications [0] SEQUENCE OF EquivalentClassification OPTIONAL, hierarchyValue INTEGER, markingData [1] SEQUENCE OF MarkingData OPTIONAL, requiredCategory [2] SEQUENCE OF OptionalCategoryGroup OPTIONAL, obsolete BOOLEAN DEFAULT FALSE } EquivalentClassification ::= SEQUENCE { securityPolicyId OBJECT IDENTIFIER, labelAndCertValue INTEGER, applied INTEGER { encrypt (0), decrypt (1), both (2) } } SecurityCategoryTagSet ::= SEQUENCE { securityCategoryTagSetName OBJECT IDENTIFIER, secCatTagSetString TeletexString (SIZE (1..ubSecCatTagSetStringLength)) OPTIONAL, securityCategoryTags SEQUENCE OF SecurityCategoryTag } </pre>	<p>LDAP transfer of this syntax must only be using binary encoding. The “;Binary” substring should always follow the attribute name when using LDAP to request or set an attribute with this syntax.</p>

Attribute Syntax Name	Source Definition	Description (and X.500 definition where appropriate)	LDAP Definition with Examples
SPIF (3 of 3)	X.501	<pre> SecurityCategoryTag ::= SEQUENCE { tagType TagTypeValue, enumType [0] INTEGER OPTIONAL, -- IF tagType is set to Enumerated (2), THEN -- enumType indicates if enumerated tag type is -- permissive (EnumType is 1) or restrictive -- (EnumType is 2). tag7Encoding [1] INTEGER { bitSetAttributes (1), securityAttributes (2) } OPTIONAL, securityCategoryTagName TeletexString (SIZE (1..ubSecCategoryTagNameLength)) OPTIONAL, tagCategories SEQUENCE OF TagCategories, markingQualifiers MarkingQualifiers OPTIONAL, singleCategorySelectionPolicy BOOLEAN DEFAULT FALSE} MarkingQualifiers ::= SEQUENCE { markingCode markingCode OPTIONAL, qualifiers SEQUENCE OF MarkingQualifier OPTIONAL} MarkingQualifier ::= SEQUENCE { markingQualifier DirectoryString (ubMarkingPhraseLength), qualifierCode QualifierCode } </pre>	

UNCLASSIFIED

ACP 133 SUPP-1(A)

Attribute Syntax Name	Source Definition	Description (and X.500 definition where appropriate)	LDAP Definition with Examples
SPIF (3 of 3)	X.501	<p>QualifierCode ::= INTEGER { prefixQualifier (1), suffixQualifier (2), separatorQualifier (3) } TagCategories ::= SEQUENCE { labelAndCertValue INTEGER, secCategoryName DirectoryString {ubSecCategoryNameLength}, equivalentSecCategoryTags [0] SEQUENCE OF EquivalentSecCategoryTag OPTIONAL, markingData [1] SEQUENCE OF MarkingData OPTIONAL, requiredClass [2] OptionalClassData OPTIONAL, excludedClass [3] SEQUENCE OF OptionalClassData OPTIONAL, requiredCategory [4] SEQUENCE OF OptionalCategoryGroup OPTIONAL, excludedCategory [5] SEQUENCE OF OptionalCategoryData OPTIONAL , obsolete BOOLEAN DEFAULT FALSE }</p>	
SupportedAlgorithm	X.509	<p>Contains algorithms for use when communicating with a remote end entity using certificates, defined as follows:</p> <p>SupportedAlgorithm ::= SEQUENCE { algorithmIdentifier AlgorithmIdentifier, intendedUsage [0] KeyUsage OPTIONAL, intendedCertificatePolicies [1] CertificatePoliciesSyntax OPTIONAL }</p>	<p>LDAP transfer of this syntax must only be using binary encoding. The “;Binary” substring should always follow the attribute name when using LDAP to request or set an attribute with this syntax.</p>
TelephoneNumber	X.520 / E.123 / RFC 2252	<p>PrintableString that complies with the internationally agreed format for showing international telephone numbers, defined as follows:</p> <p>PrintableString (SIZE (1..32))</p>	<p>The LDAP representation of a telephone number is the string value itself.</p> <p>+44 582 10101</p>
TelexNumber	X.520 / RFC 2256	<p>Sequence of PrintableStrings containing telex number, country code and answerback code of a telex terminal, defined as follows:</p> <p>TelexNumber ::= SEQUENCE { telexNumber PrintableString(SIZE (1..14)), countryCode PrintableString(SIZE (1..4)), answerback PrintableString(SIZE (1..8)) }</p>	<p>The LDAP representation of a TelexNumber is up to three dollar (“\$”) separated PrintableStrings, comprising respectively the telexNumber, the countryCode and the answerback.</p> <p>123456\$AU\$7890</p>

Attribute Syntax Name	Source Definition	Description (and X.500 definition where appropriate)	LDAP Definition with Examples
UniversalString	Annex A to ISO 10646-1	String representation containing characters from the Universal String character set, as limited by Annex A to ISO 10646-1.	The LDAP representation is the string value itself <i>Abcd345AA.</i>
X.121Address	X.121	Numeric String containing X.121 Address as defined by ITU-T Recommendation X.121, defined as follows: NumericString (SIZE (1..15))	The LDAP Representation of an X.121 Address is a NumericString containing the address. <i>23419876543</i>

Table 2-2 – Attribute Syntax Table

ATTRIBUTE DEFINITIONS

209. Attribute Definition Table Column Meanings:

Source	This column identifies the original source of the attribute and its definition, as referenced in Annex A.
Attribute Name	This column contains the name of attribute as specified in the appropriate ITU-T / CCITT / ISO document, or if applicable appropriate RFC. Where an LDAP name is specified, this indicates the preferred attribute name for use over LDAP.
Class	This column identifies the Class of support mandated by the ACP 133 Schema: Class Z: Base X.500 and RFC Schema attributes required by ACP 133 Edition C. Class A: ACP 133 Common Content Core Schema. Class B: ACP 133 Common Content Public Key Infrastructure Schema. Class C: ACP 133 Common Content Legacy Messaging Schema. Class D: Identity Management. Class E: Deprecated.
Description and International Format	This column describes the meaning and usage of attribute and the preferred format for international interoperability.
OID	This column defines the object identifier defined for the attribute.
Size	This column identifies the maximum size (single value) or allowed range of an attribute (allowable range of size indicated with ellipses i.e. x..y). A special case for PostalAddress with a size value of 6x30 indicates a sequence of up to 6 lines each of up to 30 characters.
Multi / Single Valued	M indicates that the attribute can be multi-valued and S that it may only be single-valued.
Syntax	This column identifies the supported Attribute Syntax, as defined in Section 3.
Indexed	This column indicates that (when set to a Y) the attribute may be used in searches of the directory and hence may need to be indexed for effective search response.

Table 2-3 – Attribute Definition Table Column Meanings

210. Attribute Definition Table:

Source	Attribute Name	Class	Description and International Format	OID	Size	Multi / Single Valued	Syntax	Indexed
ACP 133	accountingCode	A	Specifies a character string used in logistics applications to uniquely identify an organization.	2.16.840.1.101.2.2.1.53	7	M	PrintableString	
ACP 133	aCPCitizenship	A	Specifies the citizenship of an entry (typically the actual citizenship of a person entry or the citizenship of the role occupant of a role entry) as a three letter country code as defined in ISO 3166. Where a person holds dual-citizenship, the entry would typically contain both.	2.16.840.1.101.2.2.1.178	3..3	M	PrintableString	
ACP 133	aCPCOI	A	Specifies Communities of Interest to which the entry is affiliated or connected in some manner.	2.16.840.1.101.2.2.1.180	64	M	PrintableString	
ACP 133	aCPDirectionsTo	A	Specifies a URN/URL of a web page containing geographic directions used to locate an entry (typically a unit) within the Defence community.	2.16.840.1.101.2.2.1.183	4096	M	PrintableString	
ACP 133	aCPDutyOfficer	A	Points to a Duty Officer associated with a unit.	2.16.840.1.101.2.2.1.184		M	DistinguishedName	
ACP 133 / RFC 4122	aCPEID	A	Specifies a globally unique identifier (equivalent to the GUID within Active Directory), thus allowing each entry within a multi-national directory to be identified. It is to be populated by a version 1 (time based) UUID as specified in RFC 4122, rendered as a 32-character hexadecimal string.	2.16.840.1.101.2.2.1.179	32	S	PrintableString	Y
ACP 133	aCPEnterCreationDate	A	Specifies the date and time when the entry was created.	2.16.840.1.101.2.2.1.174		S	GeneralizedTime	Y
ACP 133	aCPEnterModificationDate	A	Specifies the date and time when the entry was last modified.	2.16.840.1.101.2.2.1.175		S	GeneralizedTime	Y
ACP 133	aCPEnterType	A	Specifies the type of an entry as an OID defined by the owning nation or organization.	2.16.840.1.101.2.2.1.176		S	ObjectIdentifier	Y

UNCLASSIFIED

ACP 133 SUPP-1(A)

Source	Attribute Name	Class	Description and International Format	OID	Size	Multi / Single Valued	Syntax	Indexed
ACP 133	aCPEnterUniqueId	A	Specifies a unique identifier within an aCPEnterType entry type as defined and managed by the owning nation or organisation. The value should be a maximum of 18-digits, and where converted to decimal must fit within a 64-bit signed integer.	2.16.840.1.101.2.2.1.177	18	S	PrintableString	Y
ACP 133	aCPFunctionalDescription	A	Specifies a function or task associated with a directory entry. The values available will be drawn from an internationally agreed taxonomy list. It is intended to be used to simplify the location of entries which act in specified roles or functions.	2.16.840.1.101.2.2.1.172	64	M	PrintableString	Y

UNCLASSIFIED

ACP 133 SUPP-1(A)

Source	Attribute Name	Class	Description and International Format	OID	Size	Multi / Single Valued	Syntax	Indexed
ACP 133	aCPLatitude	A	Specifies the "Northing's" Latitude value of a Location. aCPLatitude values are derived from ISO 6709. The format is: ±DDMMSS.SS (degrees, minutes and seconds). For example: Eiffel Tower, Paris, France Latitude: +48.8577 Longitude: +002.295	2.16.840.1.101.2.2.1.185	16	S	PrintableString	
ACP 133	aCPLegacyFormat	A	Specifies the specific message format type used when the value of the aCPPreferredDelivery attribute is ACP127. Allowed values are: 0 - JANAP 128. 1 - ACP 127 ¹ . 2 - DOI 103. 3 - DOI 103 Special. 4 - ACP 126. 5 - ACP 127 Converted. 6 - Reserved 1 (for ACP 127 Standard use if required). 7 - ACP 127 State. 8 - ACP 127 Modified. 9 - SOCOMM Special. 10 - SOCOMM Narrative. 11 - Reserved 2 (for SOCOMM Narrative TTY if needed). 12 - SOCOMM Narrative Special. 13 - SOCOMM Data. 14 - SOCOMM Internal. 15 - SOCOMM External. 16 - MFI Default. 17 - ACP Legacy Format SMTP. 18 - P22. 19 - 31 - for national or bilateral use. 32 - ACP 145 (United States) 33 - ACP 145 (Australia). 34 - ACP 145 (Canada). 35 - ACP 145 (United Kingdom). 36 - ACP 145 (New Zealand).	2.16.840.1.101.2.2.1.142		S	Integer	

¹ Change made as per Change Request No. 8 for consistency purposes.

UNCLASSIFIED

ACP 133 SUPP-1(A)

Source	Attribute Name	Class	Description and International Format	OID	Size	Multi / Single Valued	Syntax	Indexed
ACP 133	aCPLocationMap	A	Specifies a URN/URL of a web page containing a map used to locate an entry (typically a Location) within the national Defence community.	2.16.840.1.101.2.2.1.186	4096	M	PrintableString	
ACP 133	aCPLongitude	A	Specifies the "Easting's" Longitude value for a Location. aCPLatitude values are derived from ISO 6709. The format is: ±DDMMSS.SS (degrees, minutes and seconds). For example: Eiffel Tower, Paris, France Latitude: +48.8577 Longitude: +002.295	2.16.840.1.101.2.2.1.187	16	S	PrintableString	
ACP 133	aCPNoAttachments	A	Specifies whether or not attachments are allowed to this PLAD/SMA	2.16.840.1.101.2.2.1.189		S	Boolean	
ACP 133	aCPPreferredDelivery	A	Specifies a value used to determine the messaging system that a user prefers for message delivery. Allowed values are: 0 – SMTP. 1 – ACP127. 2 – MHS. The <i>MHS</i> value signifies either standard X.400 (1984 or 1988) or ACP 123-compliant X.400. When the value is <i>ACP127</i> , more information is given in the <i>aCPLegacyFormat</i> attribute.	2.16.840.1.101.2.2.1.108		S	Integer	
ACP 133	aCPPublishTo	A	Specifies any domains, communities or deployments to which the entry should be published.	2.16.840.1.101.2.2.1.181	64	M	PrintableString	
ACP 133	aCPRoleInformation	A	Indicates as an informal mapping provided to simplify access to an Organizational Person entry related to this Organizational Role or for other nationally defined purposes.	2.16.840.1.101.2.2.1.158	1024	M	DirectoryString	
ACP 133	aCPSvcApps	A	Specifies any centralised applications to which the entry has access.	2.16.840.1.101.2.2.1.182	64	M	PrintableString	

UNCLASSIFIED

ACP 133 SUPP-1(A)

Source	Attribute Name	Class	Description and International Format	OID	Size	Multi / Single Valued	Syntax	Indexed
ACP 133	aCPTelephoneFaxNumber	A	This attribute is attribute is defined for use as a supertype in defining the attributes: a. militaryFacsimileNumber; b. militaryIPPhoneNumber; c. militaryTelephoneNumber; d. secureFacsimileNumber and e. secureTelephoneNumber	2.16.840.1.101.2.2.1.109	48	M	ACPTelephoneFax-NumberSyntax	
ACP 133	actionAddressees	C	Specifies a list of action language addressees of of an ACP 127/JANAP 128 collective, for example an Address Indicator Group. An action addressee is expected to take appropriate action on the message content, whereas an information addressee receives the message for informational purposes only	2.16.840.1.101.2.2.1.46	55	M	PrintableString	
ACP 133	active	A	Specifies whether a tactical entry is currently believed to be in an active (value is True) or inactive (value is False) state.	2.16.840.1.101.2.2.1.164		S	Boolean	
ACP 133	additionalAddressees	C	Specifies a list of addressees to be added to the actionAddressees list under circumstances identified in the remarks attribute of the same directory entry.	2.16.840.1.101.2.2.1.47	55	M	PrintableString	
ACP 133	additionalSecondParty Addressees	C	Specifies a list of addressees to be added to the secondPartyAddressees list under circumstances identified in the remarks attribute of the same directory entry.	2.16.840.1.101.2.2.1.48	55	M	PrintableString	
ACP 133	adminConversion	C	Specifies an abbreviation of the organization's administrative title to be used as an administrative message address.	2.16.840.1.101.2.2.1.143		M	DirectoryString	
SDN 700	aLExemptedAddress Processor	A	Specifies the messaging address of an Address List's exempted address processor.	2.16.840.1.101.2.1.5.47		S	ORName	
X.501/ RFC 2256	aliasedEntryName ² (LDAP: aliasedObjectName)	Z	Points to the entry aliased by the alias entry.	2.5.4.1	255	S	DistinguishedName	

² RFC 2256 defines attribute *aliasedObjectName*.

UNCLASSIFIED

ACP 133 SUPP-1(A)

Source	Attribute Name	Class	Description and International Format	OID	Size	Multi / Single Valued	Syntax	Indexed
ACP 133	aliasPointer	A	Points to a Distinguished Name of another related entry which may need to be modified to maintain data consistency in the Directory Information Base (DIB).	2.16.840.1.101.2.2.1.49		M	DistinguishedName	
ACP 133	allowableOriginators	C	Specifies the name of an ACP 127/JANAP 128 collective which contains the list of PLAs that are allowed to originate messages to this list.	2.16.840.1.101.2.2.1.50	55	M	PrintableString	
ACP 133	alternatePLAName	C	Specifies alternate plain language addresses associated with an entry.	2.16.840.1.101.2.2.1.173	55	M	PrintableString	
ACP 133	alternateRecipient	A	Points to an X.400 alternate recipient for a messaging user. It could be used by an X.400 message originator to create an originator-assigned alternate recipient address to be used by the message transfer system if delivery to the addressed recipient fails.	2.16.840.1.101.2.2.1.3		M	DistinguishedName	
ACP 133	aLType	A	Indicates the type of an address list from these possibilities: 0 - AIG (Address Indicator Group) –Type. 1 – Type Organization Collective. 2 - CAD (Collective Address Designator) 3 - Task Force. 4 - DAG (DSSCS Address Group).	2.16.840.1.101.2.2.1.112		S	Integer	
ACP 133	associatedAL	C	Points to the address list entry which replaces the ACP 127/JANAP 128 Task Force PLA. It assists in the transition from ACP 127/JANAP 128 to X.400 addressing and the associated transition from the use of ACP 127/JANAP 128 collectives to the use of address lists.	2.16.840.1.101.2.2.1.113		M	DistinguishedName	
ACP 133	associatedOrganization	C	Points to the Organizational Unit directory entry which represents the same organizational messaging entity as the PLA directory entry containing this attribute.	2.16.840.1.101.2.2.1.4		M	DistinguishedName	
ACP 133	associatedPLA	C	Points to the ACP 127/JANAP 128 directory entry for the same messaging entity as represented by the Organizational Unit directory entry containing this attribute.	2.16.840.1.101.2.2.1.6		M	DistinguishedName	

UNCLASSIFIED

ACP 133 SUPP-1(A)

Source	Attribute Name	Class	Description and International Format	OID	Size	Multi / Single Valued	Syntax	Indexed
X.509	attributeCertificateAttribute	Z	Is used to issue new authorizations from a Certification Authority (CA) other than the CA who originally issued the user certificate. The attribute certificate is bound to a user's X.509 certificate but is not part of the originally issued user certificate.	2.5.4.58		M	AttributeCertificate	
RFC 2798	audio	Z	Contains a small quantity of sound associated with a person (e.g. recorded message).	0.9.2342.19200300.100.1.55	250000	M	OctetString	
X.509	authorityRevocationList	Z	Contains a time-stamped and certified list of revoked certificates of all CAs known to the CA.	2.5.4.38		M	CertificateList	
RFC 1274	buildingName	Z	Specifies the name of the building in which an organization, organizational unit, or organizational person is based.	0.9.2342.19200300.100.1.48	256	M	DirectoryString	
X.520	businessCategory	Z	Specifies information concerning the occupation of a person, or business related functions of an entry..	2.5.4.15	128	M	DirectoryString	
X.509	cACertificate	Z	Contains self-issued certificates and certificates issued to this CA by CAs in the same realm as this CA.	2.5.4.37		M	Certificate	
RFC 2798	carLicense	Z	Indicates a vehicle licence or registration plate associated with a person.	2.16.840.1.113730.3.1.1		M	DirectoryString	
X.509	certificateRevocationList	Z	Contains a time-stamped list of the certificates the CA issued that have been revoked.	2.5.4.39		M	CertificateList	
X.501	clearance	Z	Contains clearance settings for the entry, defining the authorizations granted to a specific user or application entry. It should be noted that this attribute is provided as defined for informational purposes and is not intended to be used for security enforcing functions. If security enforcing is required, the attribute should be held within another signed and protected attribute such as a Certificate.	2.5.4.55		S	Clearance	
ACP 133	coalitionGrade	A	Specifies a NATO rank from STANAG 2116 or an applicable civil grade-code.	2.16.840.1.101.2.2.1.159		M	DirectoryString	
ACP 133	cognizantAuthority	C	Indicates the administrator for an ACP 127/JANAP 128 collective.	2.16.840.1.101.2.2.1.51	55	S	PrintableString	

UNCLASSIFIED

ACP 133 SUPP-1(A)

Source	Attribute Name	Class	Description and International Format	OID	Size	Multi / Single Valued	Syntax	Indexed
X.520	commonName (ldap: cn)	Z	6100. Specifies an identifier of a person, role, or other object. A Common Name is not necessarily part of a directory name although this attribute is used in naming in the Allied Directory DIT. A Common Name is a (possibly ambiguous) name by which the object is commonly known in some limited scope (such as an organization) and conforms to the naming conventions of the country or culture with which it is associated. For example: commonName = "Eisenhower, Dwight"; commonName = "Divisional Commander"; commonName = "High Speed Modem".	2.5.4.3	64	M	Name	Y
ACP 133	community	C	Indicates security community an entry belongs to. Allowed values are: 0- GENSER (R). 1- SI (Y). 2 -Both (R/Y).	2.16.840.1.101.2.2.1.52		S	Integer	
ACP 133	copyMember	A	Points to a group of names associated with the object represented by the directory entry. In an Address List directory entry, this attribute indicates the "copy" or "info" members of the list as opposed to "primary" or "action" members.	2.16.840.1.101.2.2.1.114		M	DistinguishedName	
X.520	countryName (ldap: c)	Z	Specifies a 2 character country code as defined in ISO 3166. When used as a component of a directory name, it identifies the country in which the named object is physically located or with which it is associated in some other important way.	2.5.4.6	2..2	S	CountryName	

UNCLASSIFIED

ACP 133 SUPP-1(A)

Source	Attribute Name	Class	Description and International Format	OID	Size	Multi / Single Valued	Syntax	Indexed
X.509	crossCertificatePair	Z	<p>Contains certificates issued by this CA to other CAs and certificates issued by other CAs to this CA. Optionally, the reverse elements of the <i>crossCertificatePair</i> attribute, of a CA's directory entry may contain a subset of certificates issued by this CA to other CAs. When both the forward and the reverse elements are present in a single attribute value, issuer name in one certificate shall match the subject name in the other and vice versa, and the subject public key in one certificate shall be capable of verifying the digital signature on the other certificate and vice versa:</p> <ul style="list-style-type: none"> • When a reverse element is present, the forward element value and the reverse element value need not be stored in the same attribute value; in other words, they can be stored in either a single attribute value or two attribute values; • In the case of V3 certificates, none of the above CA certificates shall include a basicConstraints extension with the cA value set to FALSE. 	2.5.4.40		M	CertificatePair	
X.509	deltaRevocationList	Z	Contains a partial or delta CRL within a directory entry, indicating changes since the prior CRL issue.	2.5.4.53		M	CertificateList	
RFC 2798	departmentNumber	Z	Specifies the department within an organization associated with a person. This can be strictly numeric (e.g., 1234) or alphanumeric (e.g., ABC/123).	2.16.840.1.113730.3.1.2		M	DirectoryString	
ACP 133	deployed	A	Points to other directory entries that represent the same real world entry in the field.	2.16.840.1.101.2.2.1.139		M	DistinguishedName	
X.520	description	Z	Specifies a text string which describes the associated entry.	2.5.4.13	1024	M	DirectoryString	
X.520	destinationIndicator	Z	Specifies the country and city associated with the entry (the addressee) in order to provide the Public Telegram Service.	2.5.4.27	128	M	DestinationIndicator	

UNCLASSIFIED

ACP 133 SUPP-1(A)

Source	Attribute Name	Class	Description and International Format	OID	Size	Multi / Single Valued	Syntax	Indexed
RFC 2798	displayName	Z	Preferred name of a person to be used when displaying entries. Only single value should be specified in the format : surName<comma><space> givenName/Initials<space>title/rank <space>optionalSourceNationInformation	2.16.840.1.113730.3.1.241		S	DirectoryString	
X.520	distinguishedName	Z	Defines the Attribute supertype from which attribute types, that specify the (directory) name of an entry, are defined.	2.5.4.49		M	DistinguishedName	
ACP 133	distributionCodeAction	A	Specifies formal messaging distribution codes (SICs – Subject Indicator Codes) for which an organization, person, or role handles messages for action.	2.16.840.1.101.2.2.1.104	3..8	M	PrintableString	
ACP 133	distributionCodeInfo	A	Specifies formal messaging distribution codes (SICs - Subject Indicator Codes) for i which an organization, person, or role handles messages for information.	2.16.840.1.101.2.2.1.105	3..8	M	PrintableString	
ACP 133	distributionExemptAction	A	Specifies formal messaging distribution codes (SICs – Subject Indicator Codes) for action which are specifically exempted from this entry.	2.16.840.1.101.2.2.1.168	3..8	M	PrintableString	
ACP 133	distributionExemptInfo	A	Specifies formal messaging distribution codes (SICs – Subject Indicator Codes) for information which are specifically exempted from this entry.	2.16.840.1.101.2.2.1.169	3..8	M	PrintableString	
ACP 133	distributionKeywordAction	A	Specifies formal messaging distribution keywords for which an organization, person, or role handles messages for action.	2.16.840.1.101.2.2.1.170	255	M	PrintableString	
ACP 133	distributionKeywordInfo	A	Specifies formal messaging distribution keywords for which an organization, person, or role handles messages for information.	2.16.840.1.101.2.2.1.171	255	M	PrintableString	
X.520	dnQualifier	Z	Specifies part of an RDN used to distinguish between directory entries for different entries.	2.5.4.46		M	PrintableString	
ACP 133	dualRoute	C	Indicates whether delivery of messages for an organization to both the home and deployed sites is required. If set to TRUE, dual delivery is required.	2.16.840.1.101.2.2.1.54		S	Boolean	

UNCLASSIFIED

ACP 133 SUPP-1(A)

Source	Attribute Name	Class	Description and International Format	OID	Size	Multi / Single Valued	Syntax	Indexed
ACP 133	effectiveDate	A	Specifies date at which directory entry is to become valid.	2.16.840.1.101.2.2.1.55		S	GeneralizedTime	
ACP 133	emConCapability	A	Specifies whether the entry is capable of entering emCon (Radio Silence) state.	2.16.840.1.101.2.2.1.165		S	Boolean	
ACP 133	emConState	A	Specifies whether the entry is currently believed to be in emCon (Radio Silence) state. Allowable state values are: 0 – Enabled. 1 – Receive only. 2 – Electrical/Electronic silence. 3 – Disabled.	2.16.840.1.101.2.2.1.166		S	Integer	
RFC 2798	employeeNumber	Z	Specifies a numeric or alphanumeric identifier assigned to a person / employee within an organization.	2.16.840.1.113730.3.1.3		S	DirectoryString	
RFC 2798	employeeType	Z	Indicates the type of employment used to identify the employer to employee relationship. Typical values used will be "Contractor", "Employee", "Intern", "Temp", "External", and "Unknown", but any value may be used.	2.16.840.1.113730.3.1.4		M	DirectoryString	
ACP 133	entryClassification	C	Indicates the classification of the directory entry that contains this attribute. The possible values are: <ul style="list-style-type: none"> • Unmarked • Unclassified • Restricted • Confidential • Secret • Top Secret 	2.16.840.1.101.2.2.1.56		S	Classification	
ACP 133	expirationDate	A	Specifies date at which directory entry becomes invalid.	2.16.840.1.101.2.2.1.57		S	GeneralizedTime	

UNCLASSIFIED

ACP 133 SUPP-1(A)

Source	Attribute Name	Class	Description and International Format	OID	Size	Multi / Single Valued	Syntax	Indexed
X.520	facsimileTelephoneNumber	Z	Specifies a telephone number for a facsimile terminal (and optionally its parameters) associated with the entry represented by the directory entry. An attribute value for the facsimileTelephoneNumber is a string that complies with the internationally agreed format for showing international telephone numbers, CCITT Recommendation E.123 (e.g., "+81 3 347 7418") and an optional bit string (formatted according to CCITT Recommendation T.30).	2.5.4.23	32	M	FacsimileTelephone Number	
ACP 133	fileTypeInfoCapability	A	Identifies the types of attachment (specified as OIDs) which should be acceptable to user associated with the mailbox associated with this entry.	2.16.840.1.101.2.2.1.161		M	ObjectIdentifier	
ACP 133	garrison	A	Points to other directory entries that represent the same real world object in garrison. See also the <i>deployed</i> attribute.	2.16.840.1.101.2.2.1.140		M	DistinguishedName	
X.520	givenName	Z	Specifies a name by which is person is commonly known.	2.5.4.42	64	M	Name	
ACP 133	guard	A	Points to the Name(s) of any Guard Gateway(s).	2.16.840.1.101.2.2.1.117		M	DistinguishedName	
RFC 2798	homePhone (Note this name preferred over the equivalent RFC 1274 defined homeTelephoneNumber)	Z	Specifies a home telephone number associated with a person. Attribute values should follow the agreed format for international telephone numbers: i.e., "+44 71 123 4567".	0.9.2342.19200300.100.1.20	32	M	TelephoneNumber	
RFC 2798	homePostalAddress	Z	Specifies a home postal address associated with a person. This should be limited to up to 6 lines of 30 characters each.	0.9.2342.19200300.100.1.39	6x30	M	PostalAddress	
ACP 133	hostOrgACPI27	C	Identifies the PLA for the organization which accepts traffic for a tenant.	2.16.840.1.101.2.2.1.58	55	S	PrintableString	
ACP 133	infoAddressees	C	Specifies a list of information plain language addressees of a collective.	2.16.840.1.101.2.2.1.59	55	M	PrintableString	
X.520	initials	Z	Specifies thee initials of a person, not including surname.	2.5.4.43	64	M	Name	

UNCLASSIFIED

ACP 133 SUPP-1(A)

Source	Attribute Name	Class	Description and International Format	OID	Size	Multi / Single Valued	Syntax	Indexed
X.520	internationalISDNNumber	Z	Specifies an International Integrated Services Digital Network (ISDN) Number associated with the directory entry. An attribute value for internationalISDNNumber is a string which complies with the internationally agreed format for ISDN addresses given in CCITT Recommendation E.164	2.5.4.25	16	M	NumericString	
RFC 2798	jpegPhoto	Z	Contains a JPEG image of the person in the JPEG File Interchange Format (JFIF).	0.9.2342.19200300.100.1.60		M	JPEG	
RFC 2079	labeledURI	Z	Specifies a Universal Resource Identifier (URI) with optional label associated with a person. Multiple values can indicate different resources or different locations for the same resource. The label is used to describe the resource to which the URI points, and is intended as a friendly name fit for human consumption	1.3.6.1.4.1.250.1.57		M	DirectoryString	
ACP 133	lastRecapDate	C	Indicates when a list was last recapped or validated.	2.16.840.1.101.2.2.1.60		S	GeneralizedTime	
ACP 133	listPointer	A	Points to Address List directory entries which may have to be modified if the entry containing this attribute is modified.	2.16.840.1.101.2.2.1.61		M	DistinguishedName	
ACP 133	lmf (Language and Media Format)	C	Indicates the language and media format that can be accepted between the two communicating end-systems. Possible values include: T – Tape. A - ASCII (American Standard Code for Information Interchange). C – Card.	2.16.840.1.101.2.2.1.62	1	S	PrintableString	
X.520	localityName (ldap: l)	Z	Specifies a geographical area or locality in which the object represented by the directory entry is physically located or with which the entry is associated in some other important way.	2.5.4.7	128	M	Name	
ACP 133	longTitle	C	Specifies the expanded form of an organization's PLA.	2.16.840.1.101.2.2.1.63	255	S	PrintableString	

UNCLASSIFIED

ACP 133 SUPP-1(A)

Source	Attribute Name	Class	Description and International Format	OID	Size	Multi / Single Valued	Syntax	Indexed
RFC 2822	mail (ldap: mail) Formally known as rfc822mailbox which is deprecated in favour of this name.	Z	Specifies an SMTP mailbox address associated with an entry. An example for a user on a military network is " <i>user@host.Service.mil</i> ".	0.9.2342.19200300.100.1.3	256	M	IA5String	
ACP 133	mailDomains	A	Specifies information on the domains that the messaging gateway will bridge.	2.16.840.1.101.2.2.1.118	255	M	DirectoryString	
RFC 2798	manager	Z	Points to the Organizational manager of a person.	0.9.2342.19200300.100.1.10		M	DistinguishedName	
ACP 133	maxMessageSize	A	Specifies the maximum message size (in Kilobytes) which can be received by the mailbox associated with this entry.	2.16.840.1.101.2.2.1.162		S	Integer	
X.520	member	Z	Points to a group of "primary" or "action" names associated with the entry represented by the directory entry.	2.5.4.31		M	DistinguishedName	
X.402	mhs-dl-related-lists (ldap: mhsDLRelatedLists)	Z	Points to address lists which are, in some unspecified way, related to the address list represented by the directory entry.	2.6.5.2.14		M	DistinguishedName	
X.402 / RFC 1274	mhs-dl-submit-permissions (ldap: mhsDLSubmitPermissions)	Z	Specifies those Mailboxes/Directory entries which are permitted to submit messages incorporating this address list.	2.6.5.2.4		M	DLSubmitPermission	
X.402	mhs-maximum-content-length (ldap: mhsMaximumContentLength)	Z	Identifies the maximum content length of the messages that can be handled by the object represented by the directory entry. The object is a user to whom the message would be delivered, an address list for which expansion would be performed on the message, or an MTA to which the message would be acceptable.	2.6.5.2.0		S	Integer	
X.402 / RFC 1274	mhs-or-addresses (ldap: mhsORAddresses)	Z	Specifies an X.400 O/R Addresses of the user or address list represented by the directory entry.	2.6.5.2.6	256	M	ORAddress	

UNCLASSIFIED

ACP 133 SUPP-1(A)

Source	Attribute Name	Class	Description and International Format	OID	Size	Multi / Single Valued	Syntax	Indexed
ACP 133	militaryFacsimileNumber	A	Identifies a military facsimile number, such as a Defense Switched Network (DSN) number or Defence Fixed Telecommunications Service (DFTS) number, which is associated with the object represented by the directory entry. This attribute is a subtype of <i>aCPTelephoneFaxNumber</i> . An example of a militaryFacsimileNumber value is "DFTS, 555 1111 ext 25".	2.16.840.1.101.2.2.1.119	48	M	ACPTelephoneFaxNumberSyntax	
ACP 133	militaryIPPhoneNumber	A	Specifies a military telephone number that identifies an IP subscriber.	2.16.840.1.101.2.2.1.160	64	M	PrintableString	
ACP 133	militaryTelephoneNumber	A	Specifies a military telephone number, such as a DSN number, which is associated with the object represented by the directory entry. This attribute is a subtype of <i>aCPTelephoneFaxNumber</i> . An example of a militaryTelephoneNumber value is "DSN, 555-333".	2.16.840.1.101.2.2.1.120	48	M	ACPTelephoneFaxNumberSyntax	
ACP 133	minimize	A	Specifies whether the object associated with the directory entry, is believed to be under the MINIMIZE condition. If so, the message originators are responsible for not sending unnecessary messages to the recipient. This attribute is defined in this ACP.	2.16.840.1.101.2.2.1.64		S	Boolean	
ACP 133	minimizeOverride	C	Indicates to the Message Conversion System (MCS) whether the MINIMIZE condition will be enforced when a message is originated by this PLA. If the value is FALSE, override does not occur and MINIMIZE is enforced. If the value is TRUE, MINIMIZE is not enforced. This attribute is defined in this ACP. Currently, the <i>minimizeOverride</i> attribute is not employed.	2.16.840.1.101.2.2.1.65		S	Boolean	
RFC 2798	mobile (Note this name is preferred over the equivalent RFC 1274 defined mobileTelephoneNumber)	Z	Specifies a mobile telephone number associated with a directory entry.	0.9.2342.19200300.100.1.41		M	TelephoneNumber	

UNCLASSIFIED

ACP 133 SUPP-1(A)

Source	Attribute Name	Class	Description and International Format	OID	Size	Multi / Single Valued	Syntax	Indexed
ACP 133	msgProtocolInfoCapability	A	Specifies the messaging protocol supported by the mailbox associated with this entry. Permissible values are: 0 – ACP 127. 1 – ACP 123.	2.16.840.1.101.2.2.1.163		S	Integer	
ACP 133	nameClassification	C	Indicates the security classification of the name of the directory entry itself.	2.16.840.1.101.2.2.1.67		M	Classification	
ACP 133	nationality	A	Specifies the country which "owns" an entity. It is advised that National entries should use the ISO 3166 3 letter country code and that operations or exercises should use the name of that exercise or operation. The contents are intended primarily for information purposes but conformance to these rules will allow future automated processing or checking to be achieved.	2.16.840.1.101.2.2.1.68	69	S	PrintableString	
X.501	objectClass	Z	Specifies Object Classes comprising this directory entry.	2.5.4.0		M	ObjectIdentifier	
X.520	organizationalUnitName (ldap: ou)	Z	Specifies the name of an organizational unit. When used as a component of a directory name, it identifies an organizational unit with which the named directory entry is affiliated. The designated organizational unit is understood to be part of an organization designated by an organizationName attribute value. It follows that, if an organizationalUnitName attribute value is used in a directory name, it must be associated with an organizationName attribute value. An attribute value for <i>organizationalUnitName</i> is a string chosen by the organization of which it is part (e.g., <i>OU = Technology Division</i>).	2.5.4.11	64	M	Name	Y

UNCLASSIFIED

ACP 133 SUPP-1(A)

Source	Attribute Name	Class	Description and International Format	OID	Size	Multi / Single Valued	Syntax	Indexed
X.520	organizationName (ldap: o)	Z	Specifies the name of an organization. When used as a component of a directory name, it identifies an organization with which the named directory entry is affiliated. An attribute value for organizationName is a string chosen by the organization (e.g., <i>O = Scottish Telecommunications plc</i>). Any variants should be associated with the named organization as separate and additional attribute values.	2.5.4.10	64	M	Name	
X.520	owner	Z	Points to some entry which has some responsibility for the directory entry that contains this attribute. An attribute value for <i>owner</i> is a distinguished name (which could represent a group of names) and can have several values.	2.5.4.32		M	DistinguishedName	
RFC 2798	pager (Note this name is preferred over the equivalent RFC 1274 defined pagerTelephoneNumber)	Z	Specifies a pager telephone number associated with a directory entry. Attribute values should follow the agreed format for international telephone numbers: i.e., "+44 71 123 4567".	0.9.2342.19200300.100.1.42		M	TelephoneNumber	
RFC 2798	photo	Z	Contains a G3 Fax format encoded with an ASN.1 wrapper, for compatibility with X.400 Bodypart. Should not be used for international interoperability.	0.9.2342.19200300.100.1.7		M	OctetString	
X.520	physicalDeliveryOffice Name	Z	Specifies the name of the city, village, etc. where the physical delivery office, that serves the entry represented by the directory entry, is situated.	2.5.4.19	128	M	DirectoryString	
ACP 133	plaAddressees	C	Specifies the list of action and information addressees of the collective. It is used for some types of collectives instead of separating action and information addressees.	2.16.840.1.101.2.2.1.71	55	M	PrintableString	

UNCLASSIFIED

ACP 133 SUPP-1(A)

Source	Attribute Name	Class	Description and International Format	OID	Size	Multi / Single Valued	Syntax	Indexed
ACP 133	plaNAmACP127	C	Specifies an entry's ACP 127/JANAP 128 plain language address. A PLA is sometimes called the Signal Message Address or registered PLA. The long form of the PLA name is represented in the ACP 133 by the <i>longTitle</i> attribute.	2.16.840.1.101.2.2.1.70	55	S	PrintableString	
ACP 133	plAReplAcE	C	Indicates whether the real ACP 127/JANAP 128 plain language address should replace the "alternative spelling" PLA. When an "alternate spelling" PLA is addressed on a message, the MCS will look at the value of this attribute in the PLA's directory entry. If set, the alternate spelling on the message will be replaced with the "primary" or correct spelling. (Each alternate spelling has a pointer to the primary PLA).	2.16.840.1.101.2.2.1.72		S	Boolean	
ACP 133	positiOnNumber	A	Specifies a government and Defense agency allocated identifier, uniquely associated with each individual's position, and possibly role and duties, within the organization.	2.16.840.1.101.2.2.1.125		M	DirectoryString	
X.520	postalAddress Note: Whilst it is not recommended that commas are included, postal address may contain commas and hence need care when exporting to a Comma Separated Variable (CSV) file.	Z	Specifies address information required for the physical delivery of postal messages by the postal authority to the object represented by the directory entry. An attribute value for <i>postalAddress</i> will typically be composed of selected attributes from the MHS Unformatted Postal O/R Address version 1 according to CCITT Recommendation F.401 and limited to 6 lines of 30 characters each, including a Postal Country Name. Normally, the information contained in such an address could include an addressee's name, street address, city, state or province, postal code and possibly a Post Office Box number depending on the specific requirements of the object.	2.5.4.16	6x30	M	PostalAddress	
X.520	postalCode	Z	Specifies the postal code of the object represented by the directory entry. If this attribute value is present it will be part of the object's postal address.	2.5.4.17	40	M	DirectoryString	

UNCLASSIFIED

ACP 133 SUPP-1(A)

Source	Attribute Name	Class	Description and International Format	OID	Size	Multi / Single Valued	Syntax	Indexed
X.520	postOfficeBox	Z	Specifies the Post Office Box at which the object, represented by the directory entry, receives physical postal delivery. If present, the attribute value is part of the object's postal address.	2.5.4.18	40	M	DirectoryString	
X.520	preferredDeliveryMethod (See also ACP 133: acpPreferredDelivery)	Z	6101. Indicates the priority order regarding the method to be used for communicating with the object represented by the directory entry. The possible methods that may be indicated in a value of this attribute are: a. any-delivery-method; b. mhs-delivery; c. physical-delivery; d. telex-delivery; e. teletex-delivery; f. g3-facsimile-delivery; g. g4-facsimile-delivery; h. ia5-terminal-delivery; i. videotex-delivery; and j. telephone-delivery.	2.5.4.28		S	PreferredDelivery-Method	
RFC 2798	preferredLanguage	Z	Indicates an individual's preferred written or spoken language. This is useful for international correspondence or human-computer interaction. Values for this attribute type are defined in the Accept-Language header field defined in RFC 2068 with one exception: the sequence "Accept-Language" ":" should be omitted.	2.16.840.1.113730.3.1.39		S	DirectoryString	
ACP 133	primaryMember	A	Points to a group of "primary" or "action" members names associated with the entry represented by the directory entry.	2.16.840.1.101.2.2.1.188		M	DistinguishedName	
ACP 133	primarySpellingACP127	C	Specifies an entry's real PLA spelling.	2.16.840.1.101.2.2.1.73	55	S	PrintableString	
ACP 133	proprietaryMailboxes	A	Specifies a mail box identifier that can be used to address mail within the local proprietary domain, such as cc:mail.	2.16.840.1.101.2.2.1.126	255	M	DirectoryString	
ACP 133	publish	C	Indicates whether this PLA should be published in the Message Address Directory or the ACP 117.	2.16.840.1.101.2.2.1.74		S	Boolean	

UNCLASSIFIED

ACP 133 SUPP-1(A)

Source	Attribute Name	Class	Description and International Format	OID	Size	Multi / Single Valued	Syntax	Indexed
ACP 133	rank	A	Specifies the military or civilian rank of an individual such as Major or civilian grade.	2.16.840.1.101.2.2.1.133	32	M	DirectoryString	
ACP 133	recapDueDate	C	Indicates when a list is expected to be recapped or validated.	2.16.840.1.101.2.2.1.75		S	GeneralizedTime	
X.520	registeredAddress	Z	Specifies a mnemonic for an address associated with an entry at a particular city location. The mnemonic is registered in the country in which the city is located and is used in the provision of the Public Telegram Service (according to CCITT Recommendation F.1).	2.5.4.26	6x30	M	PostalAddress	
ACP 133	remarks	C	Contains textual information associated with a PLA's directory entry.	2.16.840.1.101.2.2.1.76		M	SequenceOfPrintableString	
ACP 133	rI	C	Specifies routing information mapped to in ACP 127/JANAP 128 from a user's PLA name. Users are named by their PLA names and delivered to by their routing indicator values, analogous to Directory Names and O/R Addresses for X.400 users.	2.16.840.1.101.2.2.1.77		M	PrintableString	
ACP 133	rIClassification	C	Indicates the highest classification of data allowed to be processed by a specified device.	2.16.840.1.101.2.2.1.78		S	Classification	
ACP 133	rIInfo	C	Specifies Routing Indicator values with the associated properties of each RI.	2.16.840.1.101.2.2.1.79	27	M	RIParameters	
X.520	roleOccupant	Z	Points to an entry which fulfils an organizational role.	2.5.4.33		M	DistinguishedName	
RFC 2798	roomNumber	Z	Specifies a room number associated with an entry.	0.9.2342.19200300.100.1.6	256	M	DirectoryString	

UNCLASSIFIED

ACP 133 SUPP-1(A)

Source	Attribute Name	Class	Description and International Format	OID	Size	Multi / Single Valued	Syntax	Indexed
X.520	searchGuide	Z	Specifies suggested search criteria which may be included in some entries expected to be convenient base-entrys for search operations, e.g., Country or Organization. a. Search criteria consist of an optional identifier for the type of object sought and combinations of attribute types and logical operators to be used in the construction of a filter. It is possible to specify for each search criteria item the matching level, e.g., approximate match. b. The searchGuide attribute value may have multiple values to reflect the various types of requests, e.g., search for a Residential Person or an Organizational Person, which may be fulfilled from the directory entry where the Search Guide is read/	2.5.4.14		M	Guide	
ACP 133	secondPartyAddressees	C	Specifies list of second party action PLAs.	2.16.840.1.101.2.2.1.80	55	M	PrintableString	
RFC 2798	secretary	Z	Points to the secretary of a person.	0.9.2342.19200300.100.1.21		M	DistinguishedName	
ACP 133	section	C	Indicates if the receiving PLA requires message sectioning to be performed.	2.16.840.1.101.2.2.1.81		S	Boolean	
ACP 133	secureFacsimileNumber	A	Specifies a facsimile number that is used for secure communication with the object represented by the directory entry. This attribute is a subtype of <i>aCPTelephoneFaxNumber</i> . An example of a <i>secureFacsimileNumber</i> value is "DSN, 555-333".	2.16.840.1.101.2.2.1.127	48	M	ACPTelephoneFaxNumberSyntax	
ACP 133	secureTelephoneNumber	A	Specifies a telephone number of a secure device, such as STU II or STU III, that is used for secure communication with the object represented by the directory entry. This attribute is a subtype of <i>aCPTelephoneFaxNumber</i> . An example of a <i>secureTelephoneNumber</i> value is "PSTN, +1 555 222, STU III";	2.16.840.1.101.2.2.1.128	48	M	ACPTelephoneFaxNumberSyntax	

UNCLASSIFIED

ACP 133 SUPP-1(A)

Source	Attribute Name	Class	Description and International Format	OID	Size	Multi / Single Valued	Syntax	Indexed
X.520	seeAlso	Z	Points to another entry which may also relate to this entry. For example, an Organizational Person directory entry may include the distinguished names of the Organizational Role directory entries which designate the organizational person as a role occupant.	2.5.4.34		M	DistinguishedName	
X.520	serialNumber	Z	Specifies an identifier, the serial number, associated with an entry.	2.5.4.5	64	M	PrintableString	
ACP 133	serviceNumber	A	Specifies a staff identifier number used by government and defense agencies for purposes such as payroll references, medical records, human resources, and duty rosters.	2.16.840.1.101.2.2.1.129		M	DirectoryString	
ACP 133	serviceOrAgency	C	Specifies an identifier of the Service or Agency to which the PLA belongs.	2.16.840.1.101.2.2.1.82		S	PrintableString	
ACP 133	sHD (Special Handling Designator)	C	Specifies any special handling designator which an entity, address, or routing indicator can support.	2.16.840.1.101.2.2.1.83		M	PrintableString	
ACP 133	shortTitle	C	Specifies the PLA name used for Signal Intelligence (SIGINT) related communications.	2.16.840.1.101.2.2.1.84	55	S	PrintableString	
ACP 133	sigad (SIGINT Address)	C	Specifies the PLA name used for sensitive SIGINT related communications.	2.16.840.1.101.2.2.1.85	55	S	PrintableString	
ACP 133	spot	C	Specifies a special project address list or collective.	2.16.840.1.101.2.2.1.86	55	S	PrintableString	
X.520	stateOrProvinceName (ldap: st)	Z	Specifies a state or province. When used as a component of a directory name, it identifies a geographical subdivision in which the object, represented by the directory entry, is physically located or with which the object is associated in some other important way.	2.5.4.8	128	M	Name	
X.520	streetAddress	Z	Specifies a site for the local distribution and physical delivery in a postal address, i.e., the street name, place, avenue, and house number. When used as a component of a directory name, it identifies the street address at which the object, represented by the directory entry, is located or with which the object is associated in some other important way	2.5.4.9	128	M	DirectoryString	

UNCLASSIFIED

ACP 133 SUPP-1(A)

Source	Attribute Name	Class	Description and International Format	OID	Size	Multi / Single Valued	Syntax	Indexed
X.509:	supportedAlgorithms	Z	Indicates an algorithm for use when communicating with remote end entity using certificates.	2.5.4.52		M	SupportedAlgorithm	N
X.520	surname	Z	Specifies the linguistic construct which normally is inherited by an individual from the individual's parent or assumed by marriage, and by which the individual is commonly known.	2.5.4.4	64	M	Name	
ACP 133	tARE (Telegraph Automatic Relay Equipment)	C	Specifies delivery responsibility for a message that is received by an intermediary. The flag is set in the directory entry for the intended recipient.	2.16.840.1.101.2.2.1.87		S	Boolean	
ACP 133	tCC (Transmission Control Code)	C	Specifies a message handling instruction used in the routing indicator.	2.16.840.1.101.2.2.1.96		S	PrintableString	
ACP 133	tCCG (Transmission Control Code Group)	C	Specifies a group of message handling instructions used in the routing indicator.	2.16.840.1.101.2.2.1.144		M	PrintableString	
X.520	telephoneNumber	Z	Specifies a number for a telephone (and optionally its parameters) associated with the object represented by the directory entry. An attribute value for <i>telephoneNumber</i> is a string that complies with the internationally agreed format for showing international telephone numbers, CCITT Recommendations E.123 (e.g., "+44 582 10101"). An extension should be indicated by writing the nationally used word or abbreviation for "extension" immediately after the telephone number followed by the extension number itself. For example: "+22 607 123 4567 ext. 876."	2.5.4.20	32	M	TelephoneNumber	
X.520	telexNumber	Z	Specifies a telex number, country code, and answerback code of a telex terminal associated with the object represented by the directory entry.	2.5.4.21	28	M	TelexNumber	
X.520	title	Z	Specifies a designated position or function of the entry, represented by the directory entry, within an organization, e.g., Company Clerk.	2.5.4.12	64	M	Name	

UNCLASSIFIED

ACP 133 SUPP-1(A)

Source	Attribute Name	Class	Description and International Format	OID	Size	Multi / Single Valued	Syntax	Indexed
ACP 133	transferStation	C	Indicates whether a message for the entity should be sent to a communications processing and routing system, called a transfer station. For example, a Naval Communications Processing and Routing System (NAVCOMPARS) is a transfer station. If this attribute is TRUE, traffic should be routed to a transfer station.	2.16.840.1.101.2.2.1.69		S	Boolean	
ACP 133	tRC (Transmission Release Code)	C	Identifies the Classification of data used in the routing indicator. Possible values include: A – Australia. B - British Commonwealth less Canada, Australia and New Zealand. C – Canada. U – US. X - Belgium, Denmark, France, Germany, Greece, Italy, Netherlands, Norway, Portugal, Turkey, NATO. Z - New Zealand.	2.16.840.1.101.2.2.1.97	1	S	PrintableString	
RFC 2798	uid (Note this name is preferred by RFC 2798 over the equivalent RFC 1274 defined userid)	Z	Specifies a computer system login name associated with a person.	0.9.2342.19200300.100.1.1	256	M	DirectoryString	
X.520	uniqueIdentifier	Z	Specifies an identifier which may be used to distinguish between entry references when a distinguished name has been reused.	0.9.2342.19200300.100.1.44		M	DirectoryString	
ACP 133	usdConversion	C	Specifies an organizational address that is used when other types of address are not appropriate.	2.16.840.1.101.2.2.1.145		M	DirectoryString	
X.509:	userCertificate	Z	Contains the public key certificates which have been obtained for this entry. Each certificate contains the public keys of a user, together with some other information, rendered unforgeable by encipherment with the private key of the certification of the certification authority that issued it.	2.5.4.36		M	Certificate	

Source	Attribute Name	Class	Description and International Format	OID	Size	Multi / Single Valued	Syntax	Indexed
X.520	userPassword	Z	Specifies a password used for simple authentication of the object represented by the directory entry.	2.5.4.35	128	M	OctetString	
RFC 2798	userPKCS12	Z	Contains a PKCS #12 PFX PDU for exchange of personal identity information. Should not be used for international interoperability.	2.16.840.1.113730.3.1.216		M	Defined by PKCS #12.	
RFC 2798	userSMIMECertificate	Z	Contains a person's entire certificate chain and an smimeCapabilities field (see RFC 2633) that, at a minimum, describes their SMIME algorithm capabilities. Signed Message used to support S/MIME. Should not be used for international interoperability.	2.16.840.1.113730.3.1.40		M	Defined by PKCS #7.	
ACP 133	webAccessCapability	A	Specifies whether the entry is capable of accessing a web based Bulletin Board service to download or access information..	2.16.840.1.101.2.2.1.167		S	Boolean	
X.520	x121Address	Z	Specifies an address, as defined by ITU-T Recommendation X.121, that is associated with the object represented by the directory entry.	2.5.4.24	18	M	NumericString	

Table 2-4 – Attribute Definition Table

ADDITIONAL ACP 133 SCHEMA RULES

211. ACP 133 Structure Rules Table:

Table 2-5 defines the ACP 133 Structure Rules identifying Parent Structural Object Classes (X-Axis) against Child Object Classes (Y-Axis). Where an entry is marked with an x, a child entry can reside directly below the corresponding parent entry in the DIT.

ACP 133 Common Content Class	X.500/X.509						Class A				Class D
	country	locality	organization	organizationalRole	organizationalUnit	root	aCPLocality	aCPOrganization	aCPOrganizationalRole	aCPOrganizationalUnit	
X.500/X.509 Structural OCs	a	b	c	d	e	f	g	h	i	l	m
country						x					
cRLDistributionPoint		x	x	x	x						
device			x		x						x
locality	x	x	x		x	x					
groupOfNames	x	x	x		x						
organization	x	x				x					x
organizationalPerson	x		x	x	x						
organizationalRole			x	x	x						x
organizationalUnit		x	x		x						x
person		x	x		x						
RFC 2798 Structural OCs											
iNetOrgPerson	x		x		x						
Class A Core - Structural OCs											
aCPAddressList		x	x		x		x	x		x	
aCPAliasCommonName		x	x	x	x		x	x	x	x	
aCPAliasOrganizationalUnit		x	x		x		x	x		x	
aCPDevice			x		x			x		x	
aCPDistributionCodeDescription					x	x				x	

ACP 133 Common Content Class	X.500/X.509						Class A				Class D
Parent Structural OC Name	country	locality	organization	organizationalRole	organizationalUnit	root	aCPLocality	aCPOrganization	aCPOrganizationalRole	aCPOrganizationalUnit	aCPPrivilege
X.500/X.509 Structural OCs	a	b	c	d	e	f	g	h	i	l	m
aCPGroupOfNames		x	x		x		x	x		x	
aCPLocality	x	x	x		x	x	x	x		x	
aCPOrganization	x	x	x			x	x				x
aCPOrganizationalLocation		x	x		x		x	x		x	
aCPOrganizationalPerson	x		x	x	x		x	x	x	x	
aCPOrganizationalRole			x	x	x		x	x	x	x	x
aCPOrganizationalUnit		x	x		x		x	x		x	x
Class B - PKI Structural OCs											
aCPCRLDistributionPoint		x	x	x	x		x	x	x	x	
Class C - MM Structural OCs											
aCPAltSpellingACP127		x	x		x		x	x		x	
aCPCadACP127		x	x		x		x	x		x	
aCPDSSCSPLA		x	x		x		x	x		x	
aCPOrgACP127		x	x		x		x	x		x	
aCPPLACollectiveACP127		x	x		x		x	x		x	
aCPRoutingIndicator		x	x		x		x	x		x	
aCPSigIntPLA		x	x		x		x	x		x	
aCPSIPLA		x	x		x		x	x		x	
aCPSpotPLA		x	x		x		x	x		x	
aCPTaskForceACP127		x	x		x		x	x		x	
aCPTenantACP127		x	x		x		x	x		x	

x - indicates Structural Object Class can reside below Parent SOC.

Table 2-5 – Structure Rules Table

212. ACP 133 Object Class Hierarchy Table:

Table 2-6 identifies which Object Classes act as Superclasses (X-Axis) for ACP 133 Structural Object Classes (Y-Axis). The table shows all superclasses which comprise an ACP 133 structural object (indicated by an x), with the immediate superior being show in Bold (x). Note that some MM Structural Object Classes are subclasses of an ACP 133 Auxiliary Object Class.

ACP 133 Common Content Class	Cls. C													
	SuperClass Name	top	alias	cRLDistributionPoint	device	groupOfNames	inetOrgPerson	locality	organization	organizationalPerson	organizationalRole	organizationalUnit	person	aCPPlaACP127
Class A - Core Structural OCs	a	b	c	d	e	f	g	h	i	j	k	l	m	n
aCPAddressList	x													
aCPAliasCommonName		x												
aCPAliasOrganizationalUnit		x												
aCPDevice	x			x										
aCPDistributionCodeDescription	x													
aCPGroupOfNames	x				x									
aCPLocality	x						x							
aCPOrganization	x							x						
aCPOrganizationalLocation	x													
aCPOrganizationalPerson	x					x			x			x		
aCPOrganizationalRole	x									x				
aCPOrganizationalUnit	x										x			
Class B - PKI Structural OCs														
aCPCRLDistributionPoint	x		x											
Class C - MM Structural OCs														
aCPAltSpellingACP127	x												x	
aCPCadACP127	x												x	
aCPDSSCSPLA	x												x	
aCPOrgACP127	x												x	
aCPPLACollectiveACP127	x												x	
aCPRoutingIndicator	x													x
aCPSigIntPLA	x													x
aCPSIPLA	x													x
aCPSpotPLA	x													x
aCPTaskForceACP127	x												x	

213. ACP 133 Auxiliary Object Class Association Table:

Table 2-7 identifies which Auxiliary Object Classes (X-Axis) may be associated with ACP 133 Structural Object Classes (Y-Axis). The table shows allowable associations (indicated by an x).

ACP 133 Common Content Class	Base		Class A					Cls. B		Cls. C		
Auxiliary Object Class Name	pkiCA	pkiUser	aCPDistributionCodesHandled	aCPEEntry/Admin	aCPEEntryCharacteristics	aCPMhsCapabilitiesInformation	aCPOtherContactInformation	aCPSecurePKIUser		aCPPlaACP127	aCPPlaData	aCPPlaUser

Base Structural Object Classes	a	b	c	d	e	f	g	h	i	j	k	l
country												
cRLDistributionPoint												
device		x										
groupOfNames												
inetOrgPerson		x										
locality												
organization	x											
organizationalPerson		x										
organizationalRole	x	x										
organizationalUnit	x											
person												
Class A - Core Structural OCs												
aCPAddressList			x	x	x	x	x	x				x
aCPAliasCommonName				x								
aCPAliasOrganizationalUnit				x								
aCPDevice				x				x				
aCPDistributionCodeDescription				x								
aCPGroupOfNames				x								
aCPLocality				x								
aCPOrganization	x			x			x					
aCPOrganizationalLocation				x	x		x					
aCPOrganizationalPerson	x		x	x	x	x	x	x				
aCPOrganizationalRole	x		x	x	x	x	x	x				x
aCPOrganizationalUnit	x		x	x	x	x	x	x				x

Base Structural Object Classes	a	b	c	d	e	f	g	h	i	j	k	l
Class B - PKI Structural OCs												
aCPCRLDistributionPoint				x								
Class C - MM Structural OCs												
aCPAltSpellingACP127				x						x		
aCPCadACP127				x						x		
aCPDSSCSPLA				x						x		
aCPOrgACP127				x						x		
aCPPLACollectiveACP127				x						x		
aCPRoutingIndicator				x							x	
aCPSigIntPLA				x							x	
aCPSIPLA				x							x	
aCPSpotPLA				x							x	
aCPTaskForceACP127				x						x		
aCPTenantACP127				x						x		

Table 2-7 – ACP 133 Auxiliary Object Class Association Table

OBJECT CLASSES - ATTRIBUTES MAPPING TABLES

214. The following Table 2-8 maps ACP 133 Attributes (Y-Axis) against Structural and Auxiliary Object Classes supported by ACP 133 (X-Axis). The Object Classes are separated by ACP 133 Class subset and are listed in alphabetic order within subset. Appropriate colours are used to identify the various classes.

215. The following information may aid understanding:

- a. Items in **Bold** are Attributes which are part of a Structural or Auxiliary Object Class. Items not in **Bold** are Attributes which are inherited indirectly into an Object Class from a superclass;
- b. m indicates a mandatory Attribute for that Object Class;
- c. o indicates an optional Attribute for that Object Class; and
- d. a-e indicate optional Attributes for a respective Attribute Set, as follows:
 - (1) a - Locale Attribute Set (defined in X.520),
 - (2) b - Organizational Attribute Set (defined in X.520),
 - (3) c - Postal Attribute Set (defined in X.520),
 - (4) d - Telecommunications Attribute Set (defined in X.520), and
 - (5) e - ACP 133 Date Attribute Set (defined in ACP 133 Common Content Class A Schema).

ACP 133 Common Content Class		Base X.500 Schema																Class A – Core																Cls B - PKI				
Class	ObjectClass Name	Structural Object Classes (SOC)																AOC	Structural Object Classes (SOC)																AOC		S	A
		alias	country	cRLDistributionPoint	device	groupOfNames	inetOrgPerson	locality	organization	organizationalPerson	organizationalRole	organizationalUnit	person	top	pkiCA	pkiUser	aCPAddressList	aCPAliasCommonName	aCPAliasOrganizationalUnit	aCPDevice	aCPDistributionCodeDescription	aCPGroupOfNames	aCPLocality	aCPOrganization	aCPOrganizationalLocation	aCPOrganizationalPerson	aCPOrganizationalRole	aCPOrganizationalUnit	aCPDistributionCodesHandled	aCPEntryAdmin	aCPEntryCharacteristics	aCPMhsCapabilitiesInformation	aCPOtherContactInformation	aCPCRLDistributionPoint	aCPSecurePKIUser	O	C	
	Attribute Name	a	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p	q	r	s	t	u	v	w	x	y	z	a	b	c	d	e	f	g	h			
C	accountingCode																																					
A	aCPCitizenship																										o	o										
A	aCPCOI																o									o	o	o	o			o						
A	aCPDirectionsTo																									o												
A	aCPDutyOfficer																									o												
A	aCPEID																o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o		
A	aCPEntryCreationDate																o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o		
A	aCPEntryModificationDate																o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o		
A	aCPEntryType																o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o		
A	aCPEntryUniqueId																o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o		
A	aCPFunctionalDescription																o									o	o	o	o			o						
A	aCPLatitude																									o												
A	aCPLegacyFormat																							o		o	o	o										
A	aCPLocationMap																									o												
A	aCPLongitude																									o												

	Attribute Name	a	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p	q	r	s	t	u	v	w	x	y	z	a	b	c	d	e	f	g	h	
C	community																																			
A	copyMember																o																			
Z	countryName		m																																	
Z	crossCertificatePair														o																					
Z	deltaRevocationList			o																																o
Z	departmentNumber						o																				o									
A	deployed																									o	o	o								
Z	description		o		o	o	o	o	d	o	o	d	o				o			o	o		o	d	o	o	o	d								
Z	destinationIndicator						a		d	a	a	d												d	a	a	a	d								
Z	displayName						o																				o									
Z	distinguishedName	m	m	m	m	m	m	m	m	m	m	m	m	m			m	m	m	m	m	m	m	m	m	m	m	m	m							m
A	distributionCodeAction																																			o
A	distributionCodeInfo																																			o
A	distributionExemptAction																																			o
A	distributionExemptInfo																																			o
A	distributionKeywordAction																																			o
A	distributionKeywordInfo																																			o
Z	dnQualifier																							o			o	o	o							
C	dualRoute																																			
A	effectiveDate																e	e	e	e	e	e	e	e	e	e	e	e	e						o	
A	emConCapability																o										o	o	o						o	
A	emConState																o										o	o	o							o
Z	employeeNumber						o																				o									
Z	employeeType						o																				o									
C	entryClassification																																			
A	expirationDate																e	e	e	e	e	e	e	e	e	e	e	e	e						o	
Z	facsimileTelephoneNumber						a		d	a	a	d													d	a	a	a	d							
A	fileTypeInfoCapability																o										o	o	o							o
A	garrison																										o	o	o							
Z	givenName						o																				o									
A	guard																o										o	o	o							
Z	homePhone						o																				o									
Z	homePostalAddress						o																				o									

	Attribute Name	a	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p	q	r	s	t	u	v	w	x	y	z	a	b	c	d	e	f	g	h		
C	hostOrgACP127																																				
C	infoAddressees																o																				
Z	initials						o																				o										
Z	internationalISDNNumber						a		d	a	a	d												d	a	a	a	d									
Z	jpegPhoto						o																		o	o											
Z	labeledURI						o																		o	o											
C	lastRecapDate																																				
A	listPointer																o										o	o	o								
C	lmf																																				
Z	localityName				o		c	c	d	c	c	d								o				c	d	m	c	c	d								
C	longTitle																																				
Z	mail						o										o										o	o	o								
A	mailDomains																o								o	o	o	o	o							o	
Z	manager						o																				o										
A	maxMessageSize																o										o	o	o						o		
Z	member		Z			m																															
Z	mhs-dl-related-lists																o																				
Z	mhs-dl-submit-permissions																o																				
Z	mhs-maximum-content-length																																				
Z	mhs-or-addresses																o								o	o	o	o	o							o	
A	militaryFacsimileNumber																o								o	o	o	o	o							o	
A	militaryIPPhoneNumber																o								o	o	o	o	o							o	
A	militaryTelephoneNumber																o								o	o	o	o	o							o	
A	minimize																o										o	o	o						o		
C	minimizeOverride																																				
Z	mobile						o										o								o	o	o	o	o							o	
A	msgProtocolInfoCapability																o										o	o	o						o		
C	nameClassification																																				
A	nationality																o									o	o	o	o								
Z	objectClass	m	m	m	m	m	m	m	m	m	m	m	m	m			m	m	m	m	m	m	m	m	m	m	m	m	m							m	
Z	organizationalUnitName				o	o	o			o	o	m					o		m	o							o	o	m								
Z	organizationalName				o	o	o		m								o			o					m	o											
Z	owner				o	o											o			o																	

	Attribute Name	a	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p	q	r	s	t	u	v	w	x	y	z	a	b	c	d	e	f	g	h					
Z	pager						o										o							o	o	o	o	o							o					
Z	photo						o																				o													
Z	physicalDeliveryOfficeName						b		d	b	b	d												d	b	b	b	d												
C	plaAddressees																																							
A	plaNameACP127																																							
C	plaReplace																																							
A	positionNumber																										o													
Z	postalAddress						b		d	b	b	d												d	b	b	b	d												
Z	postalCode						b		d	b	b	d												d	b	b	b	d												
Z	postOfficeBox						b		d	b	b	d												d	b	b	b	d												
Z	preferredDeliveryMethod						b		d	a	a	d												d	b	b	a	d												
Z	preferredLanguage						o																				o													
A	primaryMember																o																							
C	primarySpellingACP127																																							
A	proprietaryMailboxes																o							o	o	o	o	o									o			
C	publish																																							
A	rank																										o													
C	recapDueDate																																							
Z	registeredAddress						a		d	a	a	d												d	a	a	a	d												
C	remarks																o																							
C	rl																																							
C	rlClassification																																							
C	rlInfo																																							
Z	roleOccupant										o																o													
Z	roomNumber						o										o							o	o	o	o	o										o		
Z	searchGuide		o					o	d			d												o	d			d												
C	secondPartyAddressees																																							
Z	secretary						o																				o													
C	section																																							
A	secureFacsimileNumber																o							o	o	o	o	o										o		
A	secureTelephoneNumber																o							o	o	o	o	o										o		
Z	seeAlso				o	o	o	o	d	o	o	d	o				o			o			o	d	o	o	o	d												
Z	serialNumber				o															o							o													

	Attribute Name	a	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p	q	r	s	t	u	v	w	x	y	z	a	b	c	d	e	f	g	h			
A	serviceNumber																									o												
C	serviceOrAgency																																					
C	sHD																																					
C	shortTitle																																					
C	sigad																																					
C	spot																																					
Z	stateOrProvinceName						c	c	d	c	c	d												c	d	c	c	c	d									
Z	streetAddress						b	c	d	b	b	d													c	d	b	b	b	d								
B	supportedAlgorithms																																				o	
Z	surname						m			m			m														m											
C	tARE																																					
C	tCC																																					
C	tCCG																																					
Z	telephoneNumber						a		d	a	a	d	o												d	a	a	a	d									
Z	telexNumber						a		d	a	a	d													d	a	a	a	d									
Z	title						o			o																	o											
C	transferStation																																					
C	tRC																																					
Z	uid						o																				o											
Z	uniqueIdentifier						o																				o											
C	usdConversion																																					
Z	userCertificate						o									o											o										o	
Z	userPassword						o			o			o														o											
Z	userPKCS12						o																				o											
Z	userSMIMECertificate						o																				o											
A	webAccessCapability																o										o	o	o					o				
Z	x121Address						a		d	a	a	d													d	a	a	a	d									

Table 2-8 – Object Classes – Attributes Mapping Tables

ACP 133 Common Content Class		Class C - Military Messaging													Cls D	
Entity Type		Structural Object Classes											AOC		SOC	
ObjectClass Name		aCPAltSpellingACP127	aCPCadACP127	aCPDSSCSPLA	aCPOrgACP127	aCPPLACollectiveACP127	aCPRoutingIndicator	aCPSigintPLA	aCPSIPLA	aCPSpotPLA	aCPTaskForceACP127	aCPTenantACP127	aCPPlaACP127	aCPPlaData	aCPPlaUser	aCPPrivilege

Attribute Name		a	b	d	e	f	gg	h	I	j	k	l	m	n	o	p
C	accountingCode				o											
A	aCPCitizenship															
A	Acpcoi															
A	aCPDirectionsTo															
A	aCPDutyOfficer															
A	aCPEID	o	o	o	o	o	o	o	o	o	o	o				
A	aCPEnterCreationDate	o	o	o	o	o	o	o	o	o	o	o				
A	aCPEnterModificationDate	o	o	o	o	o	o	o	o	o	o	o				
A	aCPEnterType	o	o	o	o	o	o	o	o	o	o	o				
A	aCPEnterUniqueId	o	o	o	o	o	o	o	o	o	o	o				
A	aCPFunctionalDescription															
A	aCPLatitude															
A	aCPLegacyFormat															
A	aCPLocationMap															
A	aCPLongitude															
A	aCPMobileTelephoneNumber															
A	aCPPagerTelephoneNumber															
A	aCPPreferredDelivery															
A	aCPPublishTo															
A	aCPRoleInformation															

UNCLASSIFIED

ACP 133 SUPP-1(A)

	Attribute Name	a	b	d	e	f	g	h	I	j	k	l	m	n	o	p
A	aCPSvcApps															
C	actionAddressees					o				o						
A	active															
C	additionalAddressees									o						
C	additionalSecondPartyAddressees									o						
C	adminConversion			o												
A	aLExemptedAddressProcessor															
Z	aliasedEntryName															
A	aliasPointer															
C	allowableOriginators					o										
C	alternatePLAName														o	
A	alternateRecipient															
A	aLType															
C	associatedAL		o			o					o					
C	associatedOrganization			o	o											
C	associatedPLA															
Z	attributeCertificate															
Z	audio															
Z	authorityRevocationList															
Z	buildingName															
Z	businessCategory															o
Z	caCertificate															
Z	carLicense															
Z	certificateRevocationList															
Z	clearance															o
A	coalitionGrade															
C	cognizantAuthority		m			m					m					
Z	commonName															
C	community	o	o		o	o	o	o	o	o	o	o	o	o		
A	copyMember															
Z	countryName				o											o
Z	crossCertificatePair															
Z	deltaRevocationList															
Z	departmentNumber															

UNCLASSIFIED

ACP 133 SUPP-1(A)

	Attribute Name	a	b	d	e	f	g	h	I	j	k	l	m	n	o	p
A	deployed															
Z	description					o	o	o	o	o				o		o
Z	destinationIndicator															
Z	displayName															
Z	distinguishedName	m	m	m	m	m	m	m	m	m	m	m				
A	distributionCodeAction															
A	distributionCodeInfo															
A	distributionExemptAction															
A	distributionExemptInfo															
A	distributionKeywordAction															
A	distributionKeywordInfo															
Z	dnQualifier															
C	dualRoute				o											
A	effectiveDate	o	o		o	o	o	o	o	o	o	o	o	o		o
A	emConCapability															
A	emConState															
Z	employeeNumber															
Z	employeeType															
C	entryClassification		o		o	o					o	o				
A	expirationDate	o	o		o	o	o	o	o	o	o	o	o	o		o
Z	facsimileTelephoneNumber															
A	fileTypeInfoCapability															
A	garrison															
Z	givenName															
A	guard															
Z	homePhone															
Z	homePostalAddress															
C	hostOrgACP127											m				
C	infoAddressees					o										
Z	initials															
Z	internationalISDNNumber															
Z	jpegPhoto															
Z	labeledURI															
C	lastRecapDate					o						m				

UNCLASSIFIED

ACP 133 SUPP-1(A)

	Attribute Name	a	b	d	e	f	g	h	I	j	k	l	m	n	o	p
A	listPointer															
C	lmf						o									
Z	localityName			o	o			o	o							
C	longTitle				o				m							
Z	mail															
A	mailDomains															
Z	manager															
A	maxMessageSize															
Z	member															
Z	mhs-dl-related-lists															
Z	mhs-dl-submit-permissions									o						
Z	mhs-maximum-content-length						o									
Z	mhs-or-addresses															
A	militaryFacsimileNumber															
A	militaryIPPhoneNumber															
A	militaryTelephoneNumber															
A	minimize				o											
C	minimizeOverride				o											
Z	mobile															
A	msgProtocolInfoCapability															
C	nameClassification				o											
A	nationality	o	o		o	o	o	o	o		o	o	o			
Z	objectClass	o	o	o	o	o	o	o	o	o	o	o				
Z	organizationalUnitName															
Z	organizatonName															
Z	owner															o
Z	pager															
Z	photo															
Z	physicalDeliveryOfficeName															
C	plaAddressees										o					
A	plaNAmEACPI27	m	m	m	m	m					m	m				
C	plaReplace	m														
A	positionNumber															
Z	postalAddress															

UNCLASSIFIED

ACP 133 SUPP-1(A)

	Attribute Name	a	b	d	e	f	g	h	I	j	k	l	m	n	o	p
Z	postalCode															
Z	postOfficeBox															
Z	preferredDeliveryMethod															
Z	preferredLanguage															
A	primaryMember															
C	primarySpellingACPI27	m														
A	proprietaryMailboxes															
C	publish	o	o		o	o	o	o	o		m	o	o			
A	rank															
C	recapDueDate		o			o					m					
Z	registeredAddress															
C	releaseAuthorityName															
C	remarks	o	o		o	o		o	o	o	o	o	o			
C	rI			m	o		m	o	o							o
C	rIClassification						o									
C	rIInfo		o		o											o
Z	roleOccupant															
Z	roomNumber															
Z	searchGuide															
C	secondPartyAddressees									o						
Z	secretary															
C	section				o											
A	secureFacsimileNumber															
A	secureTelephoneNumber															
Z	seeAlso															o
Z	serialNumber															
A	serviceNumber															
C	serviceOrAgency	o	o		o	o					o	o	o			
C	sHD						o									
C	shortTitle							o	o							
C	sigad			o				m	o							
C	spot									m						
Z	stateOrProvinceName				o											
Z	streetAddress															

	Attribute Name	a	b	d	e	f	g	h	I	j	k	l	m	n	o	p
B	supportedAlgorithms															
Z	surname															
C	tARE				o							o				
C	tCC						o									
C	tCCG															
Z	telephoneNumber															
Z	telexNumber															
Z	title															
C	transferStation						o									
C	tRC						o									
Z	uid															
Z	uniqueIdentifier															
C	usdConversion			o												
Z	userCertificate															
Z	userPassword															
Z	userPKCS12															
Z	userSMIMECertificate															
A	webAccessCapability															
Z	x121Address															

Table 2-9 – Object Classes – Attributes Mapping Tables

BASE OBJECT CLASS SCHEMA DEFINITIONS

216. Object Class Table Column Meanings:

Type	This column identifies the type of item being defined, as follows: Abstract OC: Abstract Object Class. AOC: Auxiliary Object Class. Attribute: Attribute Definition. Attribute Set: Group of functionally related Object Classes, grouped together for conciseness. SOC: Structural Object Class. Superclass: Object Class below which the next Object Class is subclassed.
Source / Identifier	This column contains the name of source reference and item name as specified within this annex, in the appropriate ITU-T / CCITT / ISO document, or if applicable the appropriate RFC.
Class	This column identifies the Class of support mandated by the ACP 133 Schema: Class Z: Base X.500 and RFC Schema attributes and Object Classes required by ACP 133 Edition C. Class A: ACP 133 Common Content Core Schema. Class B: ACP 133 Common Content Public Key Infrastructure Schema. Class C: ACP 133 Common Content Legacy Messaging Schema. Class D: ACP 133 Identity management. Class E: Deprecated.
Description	This column contains a brief description of the item.
International Format	This column contains a description of the preferred format of the item for international interoperability.
Mand. / Opt.	This column contains values of M to indicate the entry is mandatory and O that it is optional.

Multi / Single	This column contains values of M to indicate that the attribute can be multi-valued and S that it may only be single-valued.
Syntax	This column identifies the supported Attribute Syntax, as defined in Section 3.

Table 2-10 – Object Class Table Column Meanings

BASE OBJECT CLASS DEFINITIONS

217. This section contains schema definitions to be included within ACP 133 which are defined primarily within other reference (mainly X.500) documents. Whilst this information repeats the original definitions, it is included to ensure a complete and unambiguous schema definition, thus ensuring compatibility between interoperating systems. These definitions are primarily based on standards documents for X.500 approved on 9 August 1997. In addition, further object class definitions (from RFCs 2587 and 2798) are also included as these are additionally required by ACP 133 Edition C.

218. Most schema definitions included here should be implemented as part of ACP 133, Class A (Core Common Content) and should be a part of all implementations claiming compatibility with ACP 133 Edition C. These are indicated as being part of Class A in the appropriate column. A few schema definitions which relate to PKI capability are not part of the Core Common Content, but must be included in any directory service supporting the ACP 133 Edition C, Class B (Public Key Infrastructure). Most of these PKI related schema definitions are cross referenced to RFC 2587, which refines the usage and description of schema elements defined in X.509, and hence are preferred for use. RFC 2459 provides further explanatory text regarding use of PKI within an open environment.

219. Any other schema definitions defined within X.500 and associated documents not explicitly listed are NOT part of the ACP 133 Edition C X.500 Base Schema and should not be included in directory information sent between systems (but may be used internally within a Nation).

BASE ATTRIBUTE SETS

220. Locale Attribute Set:

Type	Source: Identifier	Class	Description	International Usage and Format	Size	Mand. / Opt.	Multi / Single	Syntax
Attribute Set	<i>X.521: LocaleAttributeSet</i>	Z	Set of attributes which are commonly used for search purposes to indicate the locale of an object.			O		
Attribute	X.520: localityName (ldap: l)	Z	Specifies a geographical area or locality in which the object represented by the directory entry is physically located or with which the entry is associated in some other important way.		128	O	M	Name
Attribute	X.520: stateOrProvinceName (ldap: st)	Z	Specifies a state or province.		128	O	M	Name
Attribute	X.520: streetAddress (ldap: street)	Z	Specifies a site for the local distribution and physical delivery in a postal address, i.e., the street name, place, avenue, and house number.		128	O	M	DirectoryString

Table 2-11 – Locale Attribute Set

221. Organizational Attribute Set:

Type	Source: Identifier	Class	Description	International Usage and Format	Size	Mand. / Opt.	Multi / Single	Syntax
Attribute Set	<i>X.521: OrganizationalAttributeSet</i>	Z	Set of attributes which an organization or organizational unit may typically possess.			O		
Attribute	X.520: businessCategory	Z	Specifies information concerning the occupation of a person, or business related functions of an entry.		128	O	M	DirectoryString
Attribute	X.520: description	Z	Specifies a text string which describes the associated object.		1024	O	M	DirectoryString

Type	Source: Identifier	Class	Description	International Usage and Format	Size	Mand. / Opt.	Multi / Single	Syntax
Attribute	X.520: searchGuide	Z	Specifies suggested search criteria which may be included in some entries expected to be convenient base-objects for search operations, e.g., Country or Organization.			O	M	Guide
Attribute	X.520: seeAlso	Z	Points to another entry which may also relate to this entry.			O	M	DistinguishedName
Attribute	X.509: userPassword	Z	Specifies a password used for simple authentication of the object represented by the directory entry.		128	O	M	OctetString
Attribute Set	X.521: LocaleAttributeSet	Z	Set of attributes which are commonly used for search purposes to indicate the locale of an object.			O		
Attribute Set	X.521: PostalAttributeSet	Z	Set of attributes which are directly associated with postal delivery.			O		
Attribute Set	X.521: TelecommunicationAttributeSet	Z	Set of attributes which are commonly used for business communications.			O		

Table 2-12 - Organizational Attribute Set

222. Postal Attribute Set:

Type	Source: Identifier	Class	Description	International Usage and Format	Size	Mand. / Opt.	Multi / Single	Syntax
Attribute Set	X.521: <i>PostalAttributeSet</i>	Z	Set of attributes which are directly associated with postal delivery.					
Attribute	X.520: physicalDeliveryOfficeName	Z	Specifies the name of the city, village, etc. where the physical delivery office, that serves the object represented by the directory entry, is situated.		128	O	M	DirectoryString
Attribute	X.520: postalAddress	Z	Specifies address information required for the physical delivery of postal messages by the postal authority to the object represented by the directory entry.		6x30	O	M	PostalAddress
Attribute	X.520: postalCode	Z	Specifies the postal code of the object represented by the directory entry.		40	O	M	DirectoryString
Attribute	X.520: postOfficeBox	Z	Specifies the Post Office Box at which the object, represented by the directory entry, receives physical postal delivery.		40	O	M	DirectoryString
Attribute	X.520: streetAddress	Z	Specifies a site for the local distribution and physical delivery in a postal address, i.e., the street name, place, avenue, and house number.		128	O	M	DirectoryString

Table 2-13 – Postal Attribute Set

223. Telecommunication Attribute Set:

Type	Source: Identifier	Class	Description	International Usage and Format	Size	Mand. / Opt.	Multi / Single	Syntax
Attribute Set	X.521: <i>TelecommunicationAttributeSet</i>	Z	Set of attributes which are commonly used for business communications.					
Attribute	X.520: destinationIndicator	Z	Specifies the country and city associated with the object (the addressee) in order to provide the Public Telegram Service.		128	O	M	DestinationIndicator
Attribute	X.520: facsimileTelephoneNumber	Z	Specifies a telephone number for a facsimile terminal (and optionally its parameters) associated with the object represented by the directory entry.		32	O	M	FacsimileTelephoneNumber
Attribute	X.520: internationalISDNNumber	Z	Specifies an International Integrated Services Digital Network (ISDN) Number associated with the directory entry.		16	O	M	NumericString
Attribute	X.520: preferredDeliveryMethod	Z	Indicates the priority order regarding the method to be used for communicating with the object represented by the directory entry.			O	S	PreferredDeliveryMethod
Attribute	X.520: registeredAddress	Z	Specifies a mnemonic for an address associated with an object at a particular city location.		6x30	O	M	PostalAddress
Attribute	X.520: telephoneNumber	Z	Specifies a number for a telephone (and optionally its parameters) associated with the object represented by the directory entry.		32	O	M	TelephoneNumber
Attribute	X.520: telexNumber	Z	Specifies a telex number, country code, and answerback code of a telex terminal associated with the object represented by the directory entry.		14,4,8	O	M	TelexNumber
Attribute	X.520: x121Address	Z	Specifies an address, as defined by ITU-T Recommendation X.121, that is associated with the object represented by the directory entry.		1..15	O	M	NumericString

Table 2-14 – Telecommunication Attribute Set

224. Base Object Class Definitions:

Type	Source: Identifier	Class	Description	OID
Abstract OC	<i>X.501: top</i>	Z	The Top Abstract object class is defined to provide an object class from which all structural object classes are a subclass.	2.5.6.0
AOC	<i>RFC 2587: pkiCA</i>	Z	The PKI CA auxiliary object class is used to represent a Certification Authority held within another directory object.	2.5.6.22
AOC	<i>RFC 2587: pkiUser</i>	Z	The PKI User auxiliary object class is used in defining entries for objects that may be the subject of public-key certificates.	2.5.6.21
SOC	<i>X.501: alias</i>	Z	The Alias object class is used to provide an alternative name for an object or alias entry.	2.5.6.1
SOC	<i>X.521: country</i>	Z	A Country object class is used to define country entries in the DIT.	2.5.6.2
SOC	<i>RFC 2587: cRLDistributionPoint</i>	Z	The CRL Distribution Point object class is used in defining entries for object which act as CRL Distribution Points.	2.5.6.19
SOC	<i>X.521: device</i>	Z	The Device object class is used to define entries representing devices. A device is a physical unit which can communicate, such as a modem, disk drive, etc.	2.5.6.14
SOC	<i>X.521: groupOfNames</i>	Z	The Group Of Names object class is used to define entries representing an unordered set of names which represent individual objects or other groups of names. The membership of a group is static, i.e. it is explicitly modified by administrative action, rather than dynamically determined each time the group is referred to. The membership of a group can be reduced to a set of individual object's names by replacing each group with its membership. This process could be carried out recursively until all constituent group names have been eliminated, and only the names of individual objects remain.	2.5.6.9
SOC	<i>RFC 2798: inetOrgPerson</i>	Z	The inetOrgPerson object class is used to extend the organizationalPerson object class to meet the needs of Internet and Intranet directory service deployments.	2.16.840.1.113730.3.2.2
SOC	<i>X.521: locality</i>	Z	The Locality object class is used to define locality entries in the DIT.	2.5.6.3
SOC	<i>X.521: organization</i>	Z	The Organization object class is used to define organization entries in the DIT.	2.5.6.4
SOC	<i>X.521: organizationalPerson</i>	Z	The Organizational Person object class is used to define entries representing people employed by, or in some other important way associated with, an organization.	2.5.6.7
SOC	<i>X.521: organizationalRole</i>	Z	The Organizational Role object class is used to define entries representing an organizational role, i.e. a position or role within an organization. An organizational role is normally considered to be filled by a particular organizational person. Over its lifetime, however, an organizational role may be filled by a number of different organizational people in succession. In general, an organizational role may be filled by a person or a non-human entity.	2.5.6.8

Type	Source: Identifier	Class	Description	OID
SOC	X.521: organizationalUnit	Z	The Organizational Unit object class is used to define entries representing subdivisions of organizations.	2.5.6.5
SOC	X.521: person	Z	The Person object class is used to define entries representing people generically.	2.5.6.6

Table 2-15 – Base Object Class Definitions

BASE AUXILIARY OBJECT CLASS CONTENT DEFINITIONS

225. PKI Certification Authority Object Class:

Type	Source: Identifier	Class	Description	International Usage and Format	Size	Mand. / Opt.	Multi / Single	Syntax
AOC	<i>RFC 2587</i> : pkiCA	Z	The pkiCA auxiliary object class, defined in ITU-T Rec. X.509, is used in defining directory entries for Certification Authorities.			M		
Attribute	X.509: authorityRevocationList	Z	Contains a time-stamped and certified list of revoked certificates of all CAs known to the CA.			O	M	CertificateList
Attribute	X.509: CACertificate	Z	Contains self-issued certificates and certificates issued to this CA by CAs in the same realm as this CA			O	M	Certificate
Attribute	X.509: certificateRevocationList	Z	Contains a time-stamped list of the certificates the CA issued that have been revoked.			O	M	CertificateList
Attribute	X.509: crossCertificatePair	Z	Contains certificates issued by this CA to other CAs and certificates issued by other CAs to this CA.			O	M	CertificatePair

Table 2-16 – PKI Certification Authority Object Class

226. PKI User Auxiliary Object Class:

Type	Source: Identifier	Class	Description	International Usage and Format	Size	Mand. / Opt.	Multi / Single	Syntax
AOC	<i>RFC 2587: pkiUser</i>	Z	Used in defining entries for objects that may be the subject of public-key certificates.			M		
Attribute	X.509: userCertificate	Z	Contains the public key certificates which have been obtained for this entry. Each certificate contains the public keys of a user, together with some other information, rendered unforgeable by encipherment with the private key of the certification of the certification authority that issued it.			O	M	Certificate

Table 2-17 – PKI User Auxiliary Object Class

BASE ENTRY DEFINITIONS

227. Alias Entry:

Type	Source: Identifier	Class	Description	International Usage and Format	Size	Mand. / Opt.	Multi / Single	Syntax
Abstract OC	<i>X.501: top</i>	Z	Defined as an object class from which all structural object classes are subclassed.			M		
SOC	<i>X.521: alias</i>	Z	The Alias object class is used to provide an alternative name for an object or alias entry.			M		
Naming Attribute	<i>Undefined naming attribute</i>		The naming attribute for the naming entry. This will depend on the type of alias entry created. See aCPAliasCommonName and aCPAliasOrganizationalUnit for a full definition of alias entries allowed in ACP 133.			M	S	Name
Attribute	<i>X.521: aliasedEntryName</i>	Z	Points to the entry aliased by the alias entry.			M	S	DistinguishedName

Table 2-18 – Alias Entry

228. Country Entry:

Type	Source: Identifier	Class	Description	International Usage and Format	Size	Mand. / Opt.	Multi / Single	Syntax
Abstract OC	X.501: top	Z	Defined as an object class from which all structural object classes are subclassed.			M		
SOC	X.521: country	Z	Used to define country entries in the DIT.			M		
Naming Attribute	X.520: countryName (ldap: c)	Z	Specifies a 2 character country code as defined in ISO 3166 naming a country entry.		2..2	M	S	CountryString
Attribute	X.520: description	Z	Specifies a text string which describes the associated object.		1024	O	M	DirectoryString
Attribute	X.520: searchGuide	Z	Specifies suggested search criteria which may be included in some entries expected to be convenient base-objects for search operations, e.g., Country or Organization.			O	M	Guide

Table 2-19 – Country Entry

229. CRLDistributionPoint Entry:

Type	Source: Identifier	Class	Description	International Usage and Format	Size	Mand. / Opt.	Multi / Single	Syntax
Abstract OC	X.501: top	A	Defined as an object class from which all structural object classes are subclassed.			M		
SOC	RFC 2587: cRLDistributionPoint	Z	Used in defining entries for object which act as CRL Distribution Points.			M		
Naming Attribute	X.520: commonName (ldap: cn)	Z	Specifies the name of a CRL Distribution Point entry.		64	M	M	Name
Attribute	X.509: certificateRevocationList	Z	Contains a time-stamped list of the certificates the CA issued that have been revoked.			O	M	CertificateList

Type	Source: Identifier	Class	Description	International Usage and Format	Size	Mand. / Opt.	Multi / Single	Syntax
Attribute	X.509: authorityRevocationList	Z	Contains a time-stamped and certified list of revoked certificates of all CAs known to the CA.			O	M	CertificateList
Attribute	X.509: deltaRevocationList	Z	Contains a partial or delta CRL within a directory entry, indicating changes since the prior CRL issue.			O	M	CertificateList

Table 2-20 – CRL Distribution Point Entry

230. Device Entry:

Type	Source: Identifier	Class	Description	International Usage and Format	Size	Mand. / Opt.	Multi / Single	Syntax
Abstract OC	<i>X.501: top</i>	Z	Defined as an object class from which all structural object classes are subclassed.			M		
SOC	<i>X.521: device</i>	Z	Used to define entries representing devices. A device is a physical unit which can communicate, such as a modem, disk drive, etc.			M		
Naming Attribute	X.520: commonName (ldap: cn)	Z	Specifies the name of a device entry.		64	M	M	Name
Attribute	X.520: description	Z	Specifies a text string which describes the associated entry.		1024	O	M	DirectoryString
Attribute	X.520: localityName (ldap: l)	Z	Specifies a geographical area or locality in which the object represented by the directory entry is physically located or with which the entry is associated in some other important way.		128	O	M	Name
Attribute	X.520: organizationName (ldap: o)	Z	Specifies the name of an organization.		64	O	M	Name
Attribute	X.520: organizationalUnitName (ldap: ou)	Z	Specifies the name of an organizational unit.		64	O	M	Name
Attribute	X.520: owner	Z	Points to some object which has some responsibility for the directory entry that contains this attribute.			O	M	DistinguishedName
Attribute	X.520: seeAlso	Z	Points to another entry which may also relate to this entry.			O	M	DistinguishedName
Attribute	X.520: serialNumber	Z	Specifies an identifier, the serial number, associated with an entry.		64	O	M	PrintableString
AOC	<i>RFC 2587: pkiUser</i>	Z	Used in defining entries for objects that may be the subject of public-key certificates.				O	

Table 2-21 – Device Entry

* At least one of *localityName*, *serialNumber* or *owner* should be included. The choice is dependent on device type.

231. Group of Names Entry:

Type	Source: Identifier	Class	Description	International Usage and Format	Size	Mand. / Opt.	Multi / Single	Syntax
Abstract OC	X.501: top	Z	Defined as an object class from which all structural object classes are subclassed.			M		
SOC	X.521: groupOfNames	Z	Used to define entries representing an unordered set of names which represent individual objects or other groups of names.			M		
Attribute	X.520: businessCategory	Z	Specifies information concerning the occupation of a person, or business related functions of an entry.		128	O	M	DirectoryString
Naming Attribute	X.520: commonName (ldap: cn)	Z	Specifies an identifier of an entry. Normally the Relative Distinguished Name (RDN) associated with a directory entry.		64	M	M	Name
Attribute	X.520: description	Z	Specifies a text string which describes the associated entry.		1024	O	M	DirectoryString
Attribute	X.520: member	Z	Points to a group of “primary” or “action” names associated with the entry represented by the directory entry.			M	M	DistinguishedName
Attribute	X.520: organizationName (ldap: o)	Z	Specifies the name of an organization.		64	O	M	Name
Attribute	X.520: organizationalUnitName (ldap:ou)	Z	Specifies the name of an organizational unit.		64	O	M	Name
Attribute	X.520: owner	Z	Points to some entry which has some responsibility for the directory entry that contains this attribute.			O	M	DistinguishedName
Attribute	X.520: seeAlso	Z	Points to another entry which may also relate to this entry.			O	M	DistinguishedName

Table 2-22 – Group of Names Entry

232. InetOrgPerson Entry:

Type	Source: Identifier	Class	Description	International Usage and Format	Size	Mand. / Opt.	Multi / Single	Syntax
Abstract OC	X.501: top	Z	Defined as an object class from which all structural object classes are subclassed.			M		
Superclass, SOC	X.521: person	Z	Used to define entries representing people generically.			M		
Superclass, SOC	X.521: organizationalPerson	Z	Used to define entries representing people employed by, or in some other important way associated with, an organization.			M		
SOC	RFC 2798: inetOrgPerson	Z	Used to extend the organizationalPerson object class to meet the needs of Internet and Intranet directory service deployments			M		
Attribute	X.509: userCertificate	Z	Contains the public key certificates which have been obtained for this entry. Each certificate contains the public keys of a user, together with some other information, rendered unforgeable by encipherment with the private key of the certification of the certification authority that issued it.			O	M	Certificate
Attribute	X.520: businessCategory	Z	Specifies information concerning the occupation of a person, or business related functions of an entry.		128	O	M	DirectoryString
Attribute	X.520: givenName	Z	Specifies a name by which is person is commonly known.		64	O	M	Name
Attribute	X.520: initials	Z	Specifies thee initials of a person, not including surname.		64	O	M	Name
Attribute	X.520: organizationName (ldap: o (RFC 2798))	Z	Specifies the name of an organization.		64	O	M	Name
Attribute	RFC 2798: audio	Z	Contains a small quantity of sound associated with a person (e.g. recorded message).		250,000	O	M	OctetString
Attribute	RFC 2798: homePhone (Note this is preferred over RFC 1274 defined homeTelephoneNumber)	Z	Specifies a home telephone number associated with a person.		32	O	M	TelephoneNumber
Attribute	RFC 2798: homePostalAddress	Z	Specifies a home postal address associated with a person.		6x30	O	M	PostalAddress

UNCLASSIFIED

ACP 133 SUPP-1(A)

Type	Source: Identifier	Class	Description	International Usage and Format	Size	Mand. / Opt.	Multi / Single	Syntax
Attribute	RFC 2798: manager	Z	Points to the Organizational manager of a person.			O	M	DistinguishedName
Attribute	RFC 2798: mobile (Note this is preferred over RFC 1274 defined mobileTelephoneNumber)	Z	Specifies a mobile telephone number associated with a person.			O	M	TelephoneNumber
Attribute	RFC 2798: pager (Note this is preferred over RFC 1274 defined pagerTelephoneNumber)	Z	Specifies a pager telephone number associated with a person.			O	M	TelephoneNumber
Attribute	RFC 2798: photo	Z	Contains a G3 Fax format encoded with an ASN.1 wrapper, for compatibility with X.400 Bodypart. Should not be used for international interoperability.			O	M	OctetString
Attribute	RFC 2798: mail	Z	Specifies an SMTP mailbox address associated with an entry.		256	O	M	IA5String
Attribute	RFC 2798: roomNumber	Z	Specifies a room number associated with an entry.		256	O	M	DirectoryString
Attribute	RFC 2798: secretary	Z	Points to the secretary of a person.			O	M	DistinguishedName
Attribute	RFC 2798: uid (Note this is preferred over RFC 1274 defined userid)	Z	Specifies a computer system login name associated with a person.		256	O	M	DirectoryString
Attribute	RFC 2079: labeledURI	Z	Specifies a Universal Resource Identifier (URI) with optional label associated with a person.			O	M	DirectoryString
Attribute	RFC 2798: carLicense	Z	Indicates a vehicle licence or registration plate associated with a person.			O	M	DirectoryString
Attribute	RFC 2798: departmentNumber	Z	Specifies the department within an organization associated with a person.			O	M	DirectoryString
Attribute	RFC 2798: displayName	Z	Specifies the preferred name of a person to be used when displaying entries.			O	S	DirectoryString
Attribute	RFC 2798: employeeNumber	Z	Specifies a numeric or alphanumeric identifier assigned to a person / employee within an organization.			O	S	DirectoryString
Attribute	RFC 2798: employeeType	Z	Indicates the type of employment used to identify the employer to employee relationship.			O	M	DirectoryString
Attribute	RFC 2798: jpegPhoto	Z	Contains a JPEG image of the person in the JPEG			O	M	OctetString

Type	Source: Identifier	Class	Description	International Usage and Format	Size	Mand. / Opt.	Multi / Single	Syntax
			File Interchange Format (JFIF).					
Attribute	RFC 2798: preferredLanguage	Z	Indicates an individual's preferred written or spoken language.			O	S	String
Attribute	RFC 2798: userSMIMECertificate	Z	Contains a person's entire certificate chain and an smimeCapabilities field (see RFC 2633) that, at a minimum, describes their SMIME algorithm capabilities. Signed Message used to support S/MIME.			O	M	Certificate
Attribute	RFC 2798: userPKCS12	Z	Contains a PKCS #12 PFX PDU for exchange of personal identity information.			O	M	Certificate
Attribute	X.520: uniqueIdentifier	Z	Distinguishes between objects when a distinguished name (DN) has been reused.			O	M	DirectoryString
AOC	<i>RFC 2587: pkiUser</i>	Z	Used in defining entries for objects that may be the subject of public-key certificates.			O		

Table 2-23 – Inet Org Person Entry

233. Locality Entry:

Type	Source: Identifier	Class	Description	International Usage and Format	Size	Mand. / Opt.	Multi / Single	Syntax
Abstract OC	X.501: top	Z	Defined as an object class from which all structural object classes are subclassed.			M		
SOC	X.521: locality	Z	Used to define locality entries in the DIT.			M		
Naming Attribute (*)	X.520: localityName (ldap: l) (Note this attribute is also part of LocaleAttributeSet).	Z	Specifies a geographical area or locality in which the object represented by the directory entry is physically located or with which the entry is associated in some other important way.		128	O(*)	M	Name
Naming Attribute (*)	X.520: stateOrProvinceName (ldap: st) (Note this attribute is also part of LocaleAttributeSet).	Z	Indicates a state or province.		128	O(*)	M	Name
Attribute	X.520: description	Z	Specifies a text string which describes the associated entry.		1024	O	M	DirectoryString
Attribute	X.520: searchGuide	Z	Specifies suggested search criteria which may be included in some entries expected to be convenient base-entrys for search operations, e.g., Country or Organization.			O	M	Guide
Attribute	X.520: seeAlso	Z	Points to another entry which may also relate to this entry.			O	Y	DistinguishedName
Attribute Set	X.521: LocaleAttributeSet	Z	Set of attributes which are commonly used for search purposes to indicate the locale of an object.					

Table 2-24 – Locality Entry

(*) – indicates one or other must be present.

234. Organization Entry:

Type	Source: Identifier	Class	Description	International Usage and Format	Size	Mand. / Opt.	Multi / Single	Syntax
Abstract OC	<i>X.501: top</i>	Z	Defined as an object class from which all structural object classes are subclassed.			M		
SOC	<i>X.521: organization</i>	Z	Used to define organization entries in the DIT.			M		
Naming Attribute	X.520: organizationName (ldap: o)	Z	Specifies the name of an organization.		64	M	Y	Name
Attribute Set	X.521: OrganizationalAttributeSet	Z	Set of attributes which an organization or organizational unit may typically possess.					
AOC	<i>RFC 2587: pkiCA</i>	Z	Required to allow PKI Certification Authority information to be associated with this entry.			O		

Table 2-25 – Organization Entry

235. Organizational Person Entry:

Type	Source: Identifier	Class	Description	International Usage and Format	Size	Mand. / Opt.	Multi / Single	Syntax
Abstract OC	<i>X.501: top</i>	Z	Defined as an object class from which all structural object classes are subclassed.			M		
Superclass, SOC	<i>X.521: person</i>	Z	Used to define entries representing people generically.			M		
SOC	<i>X.521: organizationalPerson</i>	Z	Used to define entries representing people employed by, or in some other important way associated with, an organization.			M		
Attribute	X.520: organizationalUnitName (ldap: ou)	Z	Specifies the name of an organizational unit.		64	O	M	Name
Attribute	X.520: title	Z	Specifies a designated position or function of the entry, represented by the directory entry, within an organization, e.g., Company Clerk.		64	O	M	Name
Attribute Set	<i>X.521: LocaleAttributeSet</i>	Z	Set of attributes which are commonly used for search purposes to indicate the locale of an object.					
Attribute Set	<i>X.521: PostalAttributeSet</i>	Z	Set of attributes which are directly associated with postal delivery.					
Attribute Set	<i>X.521: TelecommunicationAttributeSet</i>	Z	Set of attributes which are commonly used for business communications.					
AOC	<i>RFC 2587: pkiUser</i>	Z	Used in defining entries for objects that may be the subject of public-key certificates.			O		

Table 2-26 – Organizational Person Entry

236. Organizational Role Entry:

Type	Source: Identifier	Class	Description	International Usage and Format	Size	Mand. / Opt.	Multi / Single	Syntax
Abstract OC	<i>X.501: top</i>	Z	Defined as an object class from which all structural object classes are subclassed.			M		
SOC	<i>X.521: organizationalRole</i>	Z	Used to define entries representing an organizational role, i.e. a position or role within an organization.			M		
Naming Attribute	X.520: commonName (ldap: cn)	Z	Specifies an identifier of an entry. Normally the Relative Distinguished Name (RDN) associated with a directory entry.		64	M	M	Name
Attribute	X.520: description	Z	Specifies a text string which describes the associated entry.		1024	O	M	DirectoryString
Attribute	X.520: organizationalUnitName (ldap: ou)	Z	Specifies the name of an organizational unit.		64	O	M	Name
Attribute	X.520: roleOccupant	Z	Points to an entry which fulfils an organizational role.			O	M	DistinguishedName
Attribute	X.520: seeAlso	Z	Points to another entry which may also relate to this entry.			O	M	DistinguishedName
Attribute Set	<i>X.521: LocaleAttributeSet</i>	Z	Set of attributes which are commonly used for search purposes to indicate the locale of an object.					
Attribute Set	<i>X.521: PostalAttributeSet</i>	Z	Set of attributes which are directly associated with postal delivery.					
Attribute Set	<i>X.521: TelecommunicationAttributeSet</i>	Z	Set of attributes which are commonly used for business communications.					
AOC	<i>RFC 2587: pkiCA</i>	Z	Required to allow PKI Certification Authority information to be associated with this entry.			O		
AOC	<i>RFC 2587: pkiUser</i>	Z	Used in defining entries for objects that may be the subject of public-key certificates.			O		

Table 2-27 – Organizational Role Entry

237. Organizational Unit Entry:

Type	Source: Identifier	Class	Description	International Usage and Format	Size	Mand. / Opt.	Multi / Single	Syntax
Abstract OC	<i>X.501: top</i>	Z	Defined as an object class from which all structural object classes are subclassed.			M		
SOC	<i>X.521: organizationalUnit</i>	Z	Used to define entries representing subdivisions of organizations.			M		
Naming Attribute	X.520: organizationalUnitName (ldap: ou)	Z	Specifies the name of an organizational unit.		64	M	M	Name
Attribute Set	X.521: OrganizationalAttributeSet	Z	Set of attributes which an organization or organizational unit may typically possess.					
AOC	<i>RFC 2587: pkiCA</i>	Z	Required to allow PKI Certification Authority information to be associated with this entry.			O		

Table 2-28 – Organizational Unit Entry

238. Person Entry:

Type	Source: Identifier	Class	Description	International Usage and Format	Size	Mand. / Opt.	Multi / Single	Syntax
Abstract OC	X.501: top	Z	Defined as an object class from which all structural object classes are subclassed.			M		
SOC	X.521: person	Z	Used to define entries representing people generically.			M		
Naming Attribute	X.520: commonName (ldap: cn)	Z	Specifies an identifier of an entry. Normally the Relative Distinguished Name (RDN) associated with a directory entry.		64	M	M	Name
Attribute	X.520: description	Z	Specifies a text string which describes the associated entry.		1024	O	M	DirectoryString
Attribute	X.520: seeAlso	Z	Points to another entry which may also relate to this entry.			O	M	DistinguishedName
Attribute	X.520: surname (ldap: sn)	Z	Specifies the linguistic construct which normally is inherited by an individual from the individual's parent or assumed by marriage, and by which the individual is commonly known.		64	M	M	Name
Attribute	X.520: telephoneNumber	Z	Specifies a number for a telephone (and optionally its parameters) associated with the object represented by the directory entry.		32	O	M	TelephoneNumber
Attribute	X.509: userPassword	Z	Specifies a password used for simple authentication of the object represented by the directory entry.		128	O	M	OctetString

Table 2-29 – Person Entry

ACP 133 CLASS A OBJECT CLASS SCHEMA DEFINITIONS

239. Note that any auxiliary and attribute definitions specified in this section as defined by or related to Class B (Public Key Infrastructure) may only be shared with other implementations which support both Classes A (Core) and B (PKI) (at least). Otherwise, any Class B (PKI) entities must be removed before sharing with a Class A (Core) only implementation. In addition a Class D Object Class has been defined to hold Identity management information.

ACP 133 CLASS A ATTRIBUTE SETS

240. ACP Date Attribute Set:

Type	Source: Identifier	Class	Description	International Usage and Format	Size	Mand. / Opt.	Multi / Single	Syntax
Attribute Set	ACP 133: <i>ACPDateAttributeSet</i>	A	Contains a list of date related ACP 133 additional attributes.			O		
Attribute	ACP 133: effectiveDate	A	Date at which directory entry is to become valid.			O	S	GeneralizedTime
Attribute	ACP 133: expirationDate	A	Date at which directory entry becomes invalid.			O	S	GeneralizedTime

Table 2-30 – ACP Date Attribute Set

241. ACP 133 Class A Object Class Definitions:

Type	Source: Identifier	Class	Description	OID
AOC	ACP 133: aCPDistributionCodesHandled	A	The ACP 133 Distribution Codes Handled auxiliary object class allows the identification of distribution codes which are handled, either for action or information, by the directory entry.	2.16.840.1.101.2.2.3.81
AOC	ACP 133: aCPEntryAdmin	A	The ACP 133 Entry Administration auxiliary object class is used to hold standard information regarding an entry such as creation and modification dates and unique identifiers.	2.16.840.1.101.2.2.3.102
AOC	ACP 133: aCPEntryCharacteristics	A	The ACP 133 Functional Description auxiliary object class is used to hold the functions, tasks, Communities of Interest and Centralised Service Applications associated with a directory entry.	2.16.840.1.101.2.2.3.104
AOC	ACP 133: aCPMhsCapabilitiesInformation	A	The ACP MHS Capabilities Information auxiliary object class provides information which can be used to identify the capabilities associated with a particular mailbox being addressed by the messaging service.	2.16.840.1.101.2.2.3.82

Type	Source: Identifier	Class	Description	OID
AOC	ACP 133: aCPOtherContactInformation	A	The ACP 133 Other Contact Information auxiliary object class is used to hold additional telephone, location, and mailbox information in directory entries.	2.16.840.1.101.2.2.3.83
SOC	ACP 133: aCPAddressList	A	The ACP 133 Address List object class is used to hold references to a group of users that are named and addressed as a group for messaging purposes	2.16.840.1.101.2.2.3.70
SOC	ACP 133: aCPAliasCommonName	A	The ACP 133 Alias Common Name object class is used to redefine an alias to a common name entry for extended ACP 133 use.	2.16.840.1.101.2.2.3.71
SOC	ACP 133: aCPAliasOrganizationalUnit	A	The ACP 133 Alias Organizational Unit object class is used to redefine an alias to an organizational unit entry for extended ACP 133 use.	2.16.840.1.101.2.2.3.72
SOC	ACP 133: aCPDevice	A	The ACP 133 Device object class is used to redefine a device entry for extended ACP 133 use.	2.16.840.1.101.2.2.3.73
SOC	ACP 133: aCPDistributionCodeDescription	A	The ACP 133 CRL Distribution Code Description object class is used to define a distribution code description entry for ACP 133 use.	2.16.840.1.101.2.2.3.74
SOC	ACP 133: aCPGroupOfNames	A	The ACP 133 Group of Names object class is used to redefine a group of names entry for extended ACP 133 use.	2.16.840.1.101.2.2.3.75
SOC	ACP 133: aCPLocality	A	The ACP 133 Locality object class is used to redefine locality entry for extended ACP 133 use.	2.16.840.1.101.2.2.3.76
SOC	ACP 133: aCPOrganization	A	The ACP 133 Organization object class is used to redefine an organization entry for extended ACP 133 use.	2.16.840.1.101.2.2.3.77
SOC	ACP 133: aCPOrganizationalLocation	A	The ACP 133 Organizational Location object class is used to hold information relating to a Site or Location within an Organization.	2.16.840.1.101.2.2.3.103
SOC	ACP 133: aCPOrganizationalPerson	A	The ACP 133 Organizational Person object class is used to redefine an organizational person entry for extended ACP 133 use.	2.16.840.1.101.2.2.3.78
SOC	ACP 133: aCPOrganizationalRole	A	The ACP 133 Organizational Role object class is used to redefine an organizational role entry for extended ACP 133 use.	2.16.840.1.101.2.2.3.79
SOC	ACP 133: aCPOrganizationalUnit	A	The ACP 133 Organizational Unit object class is used to redefine an organizational unit entry for extended ACP 133 use.	2.16.840.1.101.2.2.3.80

Table 2-31 – ACP 133 Class A Object Class Definitions

ACP 133 CLASS A AUXILIARY OBJECT CLASS CONTENT DEFINITIONS

242. ACP Distribution Codes Handled Auxiliary Object Class:

Type	Source: Identifier	Class	Description	International Usage and Format	Size	Mand. / Opt.	Multi / Single	Syntax
AOC	ACP 133: aCPDistributionCodesHandled	A	Allows the identification of distribution codes which are handled, either for action or information, by the directory entry.			O		
Attribute	ACP 133: distributionCodeAction	A	Formal messaging distribution codes (SICs – Subject Indicator Codes) for action.		3.8	O	M	PrintableString
Attribute	ACP 133: distributionCodeInfo	A	Formal messaging distribution codes (SICs - Subject Indicator Codes) for information.		3.8	O	M	PrintableString
Attribute	ACP 133: distributionExemptAction	A	Formal messaging distribution codes (SICs – Subject Indicator Codes) for action which are specifically exempted from this entry.		3.8	O	M	PrintableString
Attribute	ACP 133: distributionExemptInfo	A	Formal messaging distribution codes (SICs – Subject Indicator Codes) for information which are specifically exempted from this entry.		3.8	O	M	PrintableString
Attribute	ACP 133: distributionKeywordAction	A	Formal messaging distribution keywords for action.		255	O	M	PrintableString
Attribute	ACP 133: distributionKeywordInfo	A	Formal messaging distribution keywords for information.		255	O	M	PrintableString

Table 2-32 – ACP Distribution Codes Handled Auxiliary Object Class

243. ACP Entry Administration Auxiliary Object Class:

Type	Source: Identifier	Class	Description	International Usage and Format	Size	Mand. / Opt.	Multi / Single	Syntax
AOC	ACP 133: aCPEnterAdmin	A	The ACP 133 Entry Administration auxiliary object class is used to hold standard information regarding an entry such as creation and modification dates and unique identifiers.			O		
Attribute	ACP 133: aCPEID	A	Specifies a globally unique identifier (equivalent to the GUID within Active Directory), thus allowing each entry within a multi-national directory to be identified.		32	O	S	PrintableString
Attribute	ACP 133: aCPEnterCreationDate	A	Specifies the date and time when the entry was created.	21/04/2006 17:23:15		O	S	GeneralizedTime
Attribute	ACP 133: aCPEnterModificationDate	A	Specifies the date and time when the entry was last modified.	15/06/2006 12:56:03		O	S	GeneralizedTime
Attribute	ACP 133: aCPEnterType	A	Specifies the type of an entry as an OID defined by the owning nation or organization.	1.15.276/820.13.5.217	20	O	S	ObjectIdentifier
Attribute	ACP 133: aCPEnterUniqueId	A	Specifies a unique identifier within an aCPEnterType entry type as defined and managed by the owning nation or organization. The value should be a maximum of 18-digits and should fit within a 64-bit signed integer.	0001234544324	18	O	S	NumericString

Table 2-33 – ACP Entry Administration Auxiliary Object Class

244. ACP Entry Characteristics Auxiliary Object Class:

Type	Source: Identifier	Class	Description	International Usage and Format	Size	Mand. / Opt.	Multi / Single	Syntax
AOC	ACP 133: aCPEntryCharacteristics	A	Holds the functions, tasks, Communities of Interest and Service Applications associated with a directory entry.			O		
Attribute	ACP 133: aCPCOI	A	Specifies Communities of Interest to which the entry is affiliated or connected in some manner.	SpecialForces	64	O	M	PrintableString
Attribute	ACP 133: aCPFunctionalDescription	A	Function or Task Description associated with the directory entry.	Must be populated from a pre-defined and internationally agreed Functional Description list.	64	O	M	PrintableString
Attribute	ACP 133: aCPPublishTo	A	Specifies any domains, communities or deployments to which the entry should be published.	Griffin5Eyes, OpBanana	64	O	M	PrintableString
Attribute	ACP 133: aCPSvcApps	A	Specifies any centralised applications to which the entry has access.	Chat, COP	64	O	M	PrintableString

Table 2-34 – ACP Entry Characteristics Auxiliary Object Class

245. ACP MHS Capabilities Information Auxiliary Object Class:

Type	Source: Identifier	Class	Description	International Usage and Format	Size	Mand. / Opt.	Multi / Single	Syntax
AOC	ACP 133: aCPMhsCapabilitiesInformation	A	Provides information which can be used to identify the capabilities associated with a particular mailbox being addressed by the messaging service.			O		
ACP 133	ACP 133: aCPNoAttachments	A	Specifies whether or not attachments are allowed to this PLAD/SMA			O	S	Boolean
Attribute	ACP 133: active	A	Specifies whether a tactical entry is currently believed to be in an active or inactive state.			O	S	Boolean
Attribute	ACP 133: emConCapability	A	Specifies whether the entry is capable of entering emCom (Radio Silence) state.			O	S	Boolean
Attribute	ACP 133: emConState	A	Specifies whether the entry is currently believed to be in emcom (Radio Silence) state. Allowable state values are: 0 – Enabled. 1 – Receive only. 2 – Electrical/Electronic silence. 3 – Disabled.			O	S	Integer
Attribute	ACP 133: fileTypeInfoCapability	A	Identifies the types of attachment (specified as OIDs) which should be acceptable to user associated with the mailbox associated with this entry.			O	M	ObjectIdentifier
Attribute	ACP 133: maxMessageSize	A	Specifies the maximum message size (in Kilobytes) which can be received by the mailbox associated with this entry.			O	S	Integer
Attribute	ACP 133: minimize	A	Specifies whether the object associated with the directory entry, is believed to be under the MINIMIZE condition.			O	S	Boolean

Type	Source: Identifier	Class	Description	International Usage and Format	Size	Mand. / Opt.	Multi / Single	Syntax
Attribute	ACP 133: msgProtocolInfoCapability	A	Specifies the messaging protocol supported by the mailbox associated with this entry.			O	S	Integer
Attribute	ACP 133: webAccessCapability	A	Specifies whether the entry is capable of accessing a web based Bulletin Board service to download or access information..			O	S	Boolean

Table 2-35 – ACP MHS Capabilities Information Auxiliary Object Class

246. ACP Other Contact Information Auxiliary Object Class:

Type	Source: Identifier	Class	Description	International Usage and Format	Size	Mand. / Opt.	Multi / Single	Syntax
AOC	ACP 133: aCPOtherContactInformation	A	Provides for additional telephone, location, and mailbox information in ACP 133 entries.			O		
Attribute	X.402: mhs-or-addresses (ldap: mhsORAddresses)	Z	Specifies an X.400 O/R Address.			O	M	ORAddress
Attribute	RFC 1274: buildingName	Z	Name of the building in which an organization, organizational unit, or organizational person is based.		256	O	M	DirectoryString
Attribute	RFC 2798: mobile	Z	Specifies a mobile telephone number associated with a directory entry.			O	M	TelephoneNumber
Attribute	RFC 2798: pager	Z	Specifies a pager telephone number associated with a directory entry.			O	M	TelephoneNumber
Attribute	RFC 2798: roomNumber	Z	Room Number occupied by an organization, organizational unit, organizational person or organizational role.		256	O	M	DirectoryString
Attribute	ACP 133: aCPPreferredDelivery	A	Used to determine the messaging system that a user prefers for message delivery.			O	S	Integer
Attribute	ACP 133: mailDomains	A	Provides information on the domains that the messaging gateway will bridge.		255	O	M	DirectoryString
Attribute	ACP 133: militaryFacsimileNumber	A	Identifies a military facsimile number, such as a Defense Switched Network (DSN) number or Defence Fixed Telecommunications Service (DFTS) number, which is associated with the object represented by the directory entry.		48	O	M	ACPTelephoneFaxNumberSyntax
Attribute	ACP 133: militaryIPPhoneNumber	A	Military telephone number that identifies an IP subscriber.		64	O	M	PrintableString
Attribute	ACP 133: militaryTelephoneNumber	A	Identifies a military telephone number, such as a DSN number, which is associated with the object represented by the directory entry.		48	O	M	ACPTelephoneFaxNumberSyntax
Attribute	ACP 133: proprietaryMailboxes	A	Identifies a mail box identifier that can be		255	O	M	DirectoryString

Type	Source: Identifier	Class	Description	International Usage and Format	Size	Mand. / Opt.	Multi / Single	Syntax
			used to address mail within the local proprietary domain, such as cc:mail.					
Attribute	ACP 133: secureFacsimileNumber	A	Facsimile number that is used for secure communication with the object represented by the directory entry.		48	O	M	ACPTelephoneFaxNumberSyntax
Attribute	ACP 133: secureTelephoneNumber	A	Telephone number of a secure device, such as STU II or STU III that is used for secure communication with the object represented by the directory entry.		48	O	M	ACPTelephoneFaxNumberSyntax

Table 2-36 – ACP Other Contact Information Auxiliary Object Class

ACP 133 CLASS A ENTRY DEFINITIONS

247. ACP Address List Entry:

Type	Source: Identifier	Class	Description	International Usage and Format	Size	Mand. / Opt.	Multi / Single	Syntax
Abstract OC	X.501: top	Z	Defined as an object class from which all structural object classes are subclassed.			M		
SOC	ACP 133: aCPAddressList	A	Provides for a group of users that are named and addressed as a group for messaging purposes			M		
Attribute	X.402: mhs-or-addresses (ldap: mhsORAddresses)	Z	Specifies an X.400 O/R Address.			O	M	ORAddress
Attribute	X.402: mhs-dl-related-lists (ldap:mhsDLRelatedLists)	Z	Identifies other address lists which are, in some unspecified way, related to the address list represented by the entry.			O	M	DistinguishedName
Attribute	X.402: mhs-dl-submit-permissions (ldap:mhsDLSubmitPermissions)	Z	Mailboxes/Directory entries which are permitted to submit messages incorporating this address list.			O	M	DLSubmitPermission
Attribute	X.520: businessCategory	Z	Specifies information concerning the occupation of a person, or business related functions of an entry.		128	O	M	DirectoryString
Naming Attribute	X.520: commonName	Z	An identifier of an object. Normally the Relative Distinguished Name (RDN) associated with a directory entry.		64	M	M	Name
Attribute	X.520: description	Z	Text string which describes the associated object.		1024	O	M	DirectoryString
Attribute	X.520: organizationName (ldap: o)	Z	Specifies the name of an organization.		64	O	M	Name
Attribute	X.520: organizationalUnitName (ldap: ou)	Z	Specifies the name of an organizational unit.		64	O	M	Name
Attribute	X.520: owner	Z	Specifies the name of some object which has some responsibility for the directory entry that contains this attribute.			O	M	DistinguishedName

UNCLASSIFIED

ACP 133 SUPP-1(A)

Type	Source: Identifier	Class	Description	International Usage and Format	Size	Mand. / Opt.	Multi / Single	Syntax
Attribute	X.520: seeAlso	Z	Name of another object which may also relate to this object.			O	M	DistinguishedName
Attribute	SDN 700: aLExemptedAddressProcessor	A	Messaging address of an Address list's exempted address processor.			O	S	ORName
Attribute	RFC 2798: mail	Z	SMTP mailbox address associated with this address list.		256	O	S	IA5String
Attribute	ACP 133: actionAddressees	C	List of Action plain language addressees of the collective.			O	M	PrintableString
Attribute	ACP 133: aliasPointer	A	Distinguished Name of another related object which may need to be modified to maintain data consistency.			O	M	DistinguishedName
Attribute	ACP 133: alternateRecipient	A	Used to designate an X.400 alternate recipient for a messaging user.			O	M	DistinguishedName
Attribute	ACP 133: aLType	A	Indicates the type of an address list.		0.4	O	S	Integer
Attribute	ACP 133: copyMember	A	Specifies a group of "copy" or "info" members names associated with the object represented by the directory entry.			O	M	DistinguishedName
Attribute	ACP 133: guard	A	Specifies the Name(s) of any Guard Gateway.			O	M	DistinguishedName
Attribute	ACP 133: infoAddressees	C	List of information plain language addressees of the collective.			O	M	PrintableString
Attribute	ACP 133: listPointer	A	Used to point to Address List directory entries which may have to be modified if the entry containing this attribute is modified.			O	M	DistinguishedName
Attribute	ACP 133: nationality	A	Specifies the country which "owns" an entity. It is advised that National entries should use the ISO 3166 3 letter country code and that operations or exercises should use the name of that exercise or operation. The contents are intended primarily for information purposes but conformance to these rules will allow future automated processing or checking to be achieved.		69	O	S	PrintableString

UNCLASSIFIED

ACP 133 SUPP-1(A)

Type	Source: Identifier	Class	Description	International Usage and Format	Size	Mand. / Opt.	Multi / Single	Syntax
ACP 133	primaryMember	A	Points to a group of “primary” or “action” members names associated with the entry represented by the directory entry.			O	M	DistinguishedName
Attribute	ACP 133: remarks	C	Textual information associated with a PLA’s directory entry.			O	M	SequenceOfPrintableString
Attribute Set	ACP 133: ACPDDateAttributeSet	A	Set of ACP 133 date related attributes associated with this entry.					
AOC	ACP 133: aCPDistributionCodesHandled	A	Required to associate distribution codes with this entry.			O		
AOC	ACP 133: aCPEntryAdmin	A	The ACP 133 Entry Administration auxiliary object class is used to hold standard information regarding an entry such as creation and modification dates and unique identifiers.			O		
AOC	ACP 133: aCPEntryCharacteristics	A	Required to hold the functions, tasks, Communities of Interest and Centralised Service Applications associated with a directory entry.			O		
AOC	ACP 133: aCPMhsCapabilitiesInformation	A	Required to hold messaging capabilities information associated with this entry.			O		
AOC	ACP 133: aCPOtherContactInformation	A	Required to hold additional contact details within this entry.			O		
AOC	ACP 133: aCPPlaUser	C	Required to allow ACP 127 Plain Language Address information to be associated with this entry.			O		
AOC	ACP 133: aCPSecurePKIUser	B	Required to allow PKI Certificates to be associated with this entry.			O		

Table 2-37– ACP Address List Entry

248. ACP Alias Common Name Entry:

Type	Source: Identifier	Class	Description	International Usage and Format	Size	Mand. / Opt.	Multi / Single	Syntax
Abstract OC	<i>X.501: top</i>	Z	Defined as an object class from which all structural object classes are subclassed.			M		
Superclass, SOC	<i>X.501: alias</i>	Z	Used to provide an alternative name for an object or alias entry.			M		
SOC	<i>ACP 133: aCPAliasCommonName</i>	A	Used to redefine an alias to a common name entry for extended ACP 133 use.			M		
Naming Attribute	X.520: commonName (ldap: cn)	Z	Specifies an identifier of an entry. Normally the Relative Distinguished Name (RDN) associated with a directory entry.		64	M	M	Name
Attribute Set	<i>ACP 133: ACPDateAttributeSet</i>	A	Set of ACP 133 date related attributes associated with this entry.					
AOC	<i>ACP 133: aCPEntryAdmin</i>	A	The ACP 133 Entry Administration auxiliary object class is used to hold standard information regarding an entry such as creation and modification dates and unique identifiers.			O		

Table 2-38 – ACP Alias Common Name Entry

249. ACP Alias Organizational Unit Entry:

Type	Source: Identifier	Class	Description	International Usage and Format	Size	Mand. / Opt.	Multi / Single	Syntax
Abstract OC	X.501: top	Z	Defined as an object class from which all structural object classes are subclassed.			M		
Superclass, SOC	X.501: alias	Z	Used to provide an alternative name for an object or alias entry.			M		
SOC	ACP 133: aCPAliasOrganizationalUnit	A	Used to redefine an alias to an organizational unit entry for extended ACP 133 use.			M		
Naming Attribute	X.520: organizationalUnitName (ldap: ou)	Z	Specifies the name of an organizational unit which is the Relative Distinguished Name (RDN) of this alias entry		64	M	M	Name
Attribute Set	ACP 133: ACPDaTeAttributeSet	A	Set of ACP 133 date related attributes associated with this entry.					
AOC	ACP 133: aCPEntryAdmin	A	The ACP 133 Entry Administration auxiliary object class is used to hold standard information regarding an entry such as creation and modification dates and unique identifiers.			O		

Table 2-39 – ACP Alias Organizational Unit Entry

250. ACP Device Entry:

Type	Source: Identifier	Class	Description	International Usage and Format	Size	Mand. / Opt.	Multi / Single	Syntax
Abstract OC	<i>X.501: top</i>	Z	Defined as an object class from which all structural object classes are subclassed.			M		
Superclass, SOC	<i>X.521: device</i>	Z	Required to define basic device attributes.			M		
SOC	<i>ACP 133: aCPDevice</i>	A	Used to redefine a device entry for extended ACP 133 use.			M		
Attribute	ACP 133: aliasPointer	A	Distinguished Name of another related object which may need to be modified to maintain data consistency.			O	M	DistinguishedName
Attribute Set	<i>ACP 133: ACPDateAttributeSet</i>	A	Set of ACP 133 date related attributes associated with this entry.					
AOC	<i>ACP 133: aCPEntryAdmin</i>	A	The ACP 133 Entry Administration auxiliary object class is used to hold standard information regarding an entry such as creation and modification dates and unique identifiers.			O		
AOC	<i>ACP 133: aCPSecurePKIUser</i>	B	Required to allow PKI Certificates to be associated with this entry.			O		

Table 2-40 – ACP Device Entry

251. ACP Distribution Code Description Entry:

Type	Source: Identifier	Class	Description	International Usage and Format	Size	Mand. / Opt.	Multi / Single	Syntax
Abstract OC	<i>X.501: top</i>	Z	Defined as an object class from which all structural object classes are subclassed.			M		
SOC	<i>ACP 133: aCPDistributionCodeDescription</i>	A	Used to define a distribution code description entry for ACP 133 use.			M		
Naming Attribute	X.520: commonName (ldap: cn)	Z	An identifier of the object which is the Relative Distinguished Name (RDN) associated with this entry.		64	M	M	Name
Attribute	X.520: description	Z	Text string which describes the associated Distribution Code.		1024	O	M	DirectoryString
Attribute	ACP 133: aliasPointer	A	Distinguished Name of another related object which may need to be modified to maintain data consistency.			O	M	DistinguishedName
Attribute Set	<i>ACP 133: ACPDateAttributeSet</i>	A	Set of ACP 133 date related attributes associated with this entry.					
AOC	<i>ACP 133: aCPEntryAdmin</i>	A	The ACP 133 Entry Administration auxiliary object class is used to hold standard information regarding an entry such as creation and modification dates and unique identifiers.			O		

Table 2-41 – ACP Distribution Code Description Entry

252. ACP Group of Names Entry:

Type	Source: Identifier	Class	Description	International Usage and Format	Size	Mand. / Opt.	Multi / Single	Syntax
Abstract OC	<i>X.501: top</i>	Z	Defined as an object class from which all structural object classes are subclassed.			M		
Superclass, SOC	<i>X.521: groupOfNames</i>	Z	Represents an unordered set of names which represent objects or other groups of names.			M		
SOC	<i>ACP 133: aCPGroupOfNames</i>	A	Used to redefine a group of names entry for extended ACP 133 use.					
Attribute	ACP 133: aliasPointer	A	Distinguished Name of another related object which may need to be modified to maintain data consistency.			O	M	DistinguishedName
Attribute Set	ACP 133: ACPDateAttributeSet	A	Set of ACP 133 date related attributes associated with this entry.			O	N/A	N/A
AOC	<i>ACP 133: aCPEnterAdmin</i>	A	The ACP 133 Entry Administration auxiliary object class is used to hold standard information regarding an entry such as creation and modification dates and unique identifiers.			O		

Table 2-42 – ACP Group of Names Entry

253. ACP Locality Entry:

Type	Source: Identifier	Class	Description	International Usage and Format	Size	Mand. / Opt.	Multi / Single	Syntax
Abstract OC	<i>X.501: top</i>	Z	Defined as an object class from which all structural object classes are subclassed.			M		
Superclass, SOC	<i>X.521: locality</i>	Z	Required to define basic locality attributes.			M		
SOC	<i>ACP 133: aCPLocality</i>	A	Used to redefine locality entry for extended ACP 133 use.					
Attribute	ACP 133: aliasPointer	A	Distinguished Name of another related object which may need to be modified to maintain data consistency.			O	M	DistinguishedName
Attribute Set	<i>ACP 133: ACPDateAttributeSet</i>	A	Set of ACP 133 date related attributes associated with this entry.					
AOC	<i>ACP 133: aCPEntryAdmin</i>	A	The ACP 133 Entry Administration auxiliary object class is used to hold standard information regarding an entry such as creation and modification dates and unique identifiers.			O		

Table 2-43 – ACP Locality Entry

254. ACP Organization Entry:

Type	Source: Identifier	Class	Description	International Usage and Format	Size	Mand. / Opt.	Multi / Single	Syntax
Abstract OC	<i>X.501: top</i>	Z	Defined as an object class from which all structural object classes are subclassed.			M		
Superclass, SOC	<i>X.521: organization</i>	Z	Required to define basic organization attributes.			M		
SOC	<i>ACP 133: aCPOrganization</i>	A	Used to redefine an organization entry for extended ACP 133 use.					
Attribute	X.520: dnQualifier	Z	Used as part of an RDN to distinguish between directory entries for different objects.			O	M	PrintableString
Attribute	ACP 133: aCPLegacyFormat	A	Provides the specific message format type used when the value of the <i>aCPPreferredDelivery</i> attribute is ACP127.		0..2	O		Integer
Attribute	ACP 133: aliasPointer	A	Distinguished Name of other related object which may need to be modified to maintain data consistency.			O	M	DistinguishedName
Attribute Set	<i>ACP 133: ACPDateAttributeSet</i>	A	Set of ACP 133 date related attributes associated with this entry.					
AOC	<i>RFC 2587: pkiCA</i>	Z	Required to allow PKI Certification Authority information to be associated with this entry.			O		
AOC	<i>ACP 133: aCPEntryAdmin</i>	A	The ACP 133 Entry Administration auxiliary object class is used to hold standard information regarding an entry such as creation and modification dates and unique identifiers.			O		
AOC	<i>ACP 133: aCPOtherContactInformation</i>	A	Required to hold additional contact details within this entry.			O		

Table 2-44 – ACP Organization Entry

255. ACP Organizational Location Entry:

Type	Source: Identifier	Class / Level	Description	International Usage and Format	Size	Mand. / Opt.	Multi / Single	Syntax
Abstract OC	<i>X.501: top</i>	A	Defines as an object class from which all structural object classes are subclassed.			M		
SOC	<i>ACP 133: aCPOrganizationalLocation</i>	1	Used to redefine an organizational location entry for extended ACP 133 use.			M		
Attribute	X.520: businessCategory	Z	Specifies information concerning the occupation of a person, or business related functions of an entry.		128	O	M	DirectoryString
Attribute	X.520: description	Z	Text string which describes the associated object.		1024	O	M	DirectoryString
Naming Attribute	X.520: commonName (ldap: cn)	Z	Specifies the name of a CRL Distribution Point entry.		64	M	M	Name
Attribute	X.520: localityName	Z	Specifies a geographic area or locality in which the object represented by the directory entry is physically located or with which the entry is associated in some way.		128	M	M	Name
Attribute	X.520: seeAlso	Z	Points to another entry which may also relate to this entry.			O	M	DistinguishedName
Attribute	RFC 2798: jpegPhoto	Z	Contains a JPEG image associated with the entry in the JPEG File Interchange Format (JFIF).			O	M	OctetString
Attribute	X.402: mhs-or-addresses (ldap: mhsORAddresses)	Z	Specifies an X.400 O/R Address.			O	M	ORAddress
Attribute	ACP 133 : aCPDirectionsTo	A	Specifies a URN/URL of a web page containing geographic directions used to locate an entry (typically a unit or location) within the Defence community.		4096	O	M	PrintableString
Attribute	ACP 133: aCPDutyOfficer	A	Points to a Duty Officer associated with a location or site.			O	M	DistinguishedName
Attribute	ACP 133: aCPLatitude	A	Specifies the “Northing’s” Latitude value of a Location.		16	O	S	PrintableString

UNCLASSIFIED

ACP 133 SUPP-1(A)

Type	Source: Identifier	Class / Level	Description	International Usage and Format	Size	Mand. / Opt.	Multi / Single	Syntax
Attribute	ACP 133: aCPLocationMap	A	Specifies a URN/URL of a web page containing a map used to locate an entry (typically a unit or location) within the Defence community.		4096	O	M	PrintableString
Attribute	ACP 133: aCPLongitude	A	Specifies the "Easting's" Longitude value for a Location.		16	O	S	PrintableString
Attribute	ACP 133: aliasPointer	A	Distinguished Name of another related object which may need to be modified to maintain data consistency.			O	M	DistinguishedName
Attribute	ACP 133: nationality	A	Specifies the country which "owns" an entity. It is advised that National entries should use the ISO 3166 3 letter country code and that operations or exercises should use the name of that exercise or operation. The contents are intended primarily for information purposes but conformance to these rules will allow future automated processing or checking to be achieved.		69	O	S	PrintableString
Attribute Set	X.521: LocaleAttributeSet	Z	Set of attributes which are commonly used for search purposes to indicate the locale of an object.					
Attribute Set	X.521: PostalAttributeSet	Z	Set of attributes which are directly associated with postal delivery.					
Attribute Set	X.521: TelecommunicationAttributeSet	Z	Set of attributes which are commonly used for business communications.					
Attribute Set	ACP 133: ACPDDateAttributeSet	A	Set of ACP 133 date related attributes associated with this entry.					
AOC	ACP 133: aCPEntryAdmin	A	Used to hold standard information regarding an entry such as creation and modification dates and unique identifiers.			O		

Type	Source: Identifier	Class / Level	Description	International Usage and Format	Size	Mand. / Opt.	Multi / Single	Syntax
AOC	ACP 133: aCPEntryCharacteristics	A	Required to hold the functions, tasks, Communities of Interest and Centralised Service Applications associated with a directory entry.			O		
AOC	ACP 133: <i>aCPOtherContactInformation</i>	A	Required to hold additional contact details within this entry.			O		

Table 2-45 – ACP Organizational Location Entry

256. ACP Organizational Person Entry:

Type	Source: Identifier	Class	Description	International Usage and Format	Size	Mand. / Opt.	Multi / Single	Syntax
Abstract OC	X.501: top	Z	Defined as an object class from which all structural object classes are subclassed.			M		
Superclass, SOC	X.521: person	Z	Required to define basic person attributes.			M		
Superclass, SOC	X.521: organizationalPerson	Z	Required to define basic organizational person attributes.			M		
Superclass, SOC	RFC 2798: inetOrgPerson	Z	Required to define extended person attributes.			M		
SOC	ACP 133: aCPOrganizationalPerson	A	Used to redefine an organizational person entry for extended ACP 133 use.					
Attribute	X.520: dnQualifier	Z	Used as part of an RDN to distinguish between directory entries for different objects.			O	M	PrintableString
Attribute	X.501: clearance	Z	Contains clearance settings for the entry, defining the authorizations granted to a specific user or application entry. It should be noted that this attribute is provided as defined for informational purposes and is not intended to be used for security enforcing functions. If security enforcing is required, the attribute should be held within another signed and protected attribute such as a Certificate.			O	S	Clearance
Attribute	ACP 133: aCPCitizenship	A	Specifies the citizenship of an entry (typically the actual citizenship of a person entry or the citizenship of the role occupant of a role entry) as a three letter country code as defined in ISO 3166. Where a person holds dual-citizenship, the entry would typically contain both.	AUS, USA	3..3	O	M	PrintableString

UNCLASSIFIED

ACP 133 SUPP-1(A)

Type	Source: Identifier	Class	Description	International Usage and Format	Size	Mand. / Opt.	Multi / Single	Syntax
Attribute	ACP 133: aCPLegacyFormat	A	Provides the specific message format type used when the value of the <i>aCPPreferredDelivery</i> attribute is ACP127.			O	S	Integer
Attribute	ACP 133: aliasPointer	A	Distinguished Name of another related object which may need to be modified to maintain data consistency.			O	M	DistinguishedName
Attribute	ACP 133: alternateRecipient	A	Used to designate an X.400 alternate recipient for a messaging user.			O	M	DistinguishedName
Attribute	ACP 133: coalitionGrade	A	NATO rank from STANAG 2116 or an applicable civil grade-code.			O	M	DirectoryString
Attribute	ACP 133: deployed	A	Distinguished names of other directory entries that represent the same real world object in the field.			O	M	DistinguishedName
Attribute	ACP 133: garrison	A	Contains distinguished names of other directory entries that represent the same real world object in <i>garrison</i> .			O	M	DistinguishedName
Attribute	ACP 133: guard	A	Specifies the Name(s) of any Guard Gateway.			O	M	DistinguishedName
Attribute	ACP 133: listPointer	A	Used to point to Address List directory entries which may have to be modified if the entry containing this attribute is modified.			O	M	DistinguishedName
Attribute	X.402: mhs-or-addresses (ldap: mhsORAddresses)	Z	Specifies an X.400 O/R Address.			O	M	ORAddress
Attribute	ACP 133: nationality	A	Specifies the country which "owns" an entity. It is advised that National entries should use the ISO 3166 3 letter country code and that operations or exercises should use the name of that exercise or operation. The contents are intended primarily for information purposes but conformance to these rules will allow future automated processing or checking to be achieved.		69	O	S	PrintableString

UNCLASSIFIED

ACP 133 SUPP-1(A)

Type	Source: Identifier	Class	Description	International Usage and Format	Size	Mand. / Opt.	Multi / Single	Syntax
Attribute	ACP 133: positionNumber	A	Used by government and Defense agencies to identify uniquely each individual's position, and possibly role and duties, within the organization.			O	M	DirectoryString
Attribute	ACP 133: rank	A	Contains the military or civilian rank of an individual such as Major or civilian grade.		16	O	M	DirectoryString
Attribute	ACP 133: serviceNumber	A	Staff identifier number used by government and defense agencies for purposes such as payroll references, medical records, human resources, and duty rosters.		16	O	M	DirectoryString
Attribute Set	ACP 133: ACPDateAttributeSet	A	Set of ACP 133 date related attributes associated with this entry.					
AOC	<i>RFC 2587: pkiUser</i>	Z	Used in defining entries for objects that may be the subject of public-key certificates.			O		
AOC	ACP 133: aCPDistributionCodesHandled	A	Required to associate distribution codes with this entry.			O		
AOC	ACP 133: aCPEntryAdmin	A	The ACP 133 Entry Administration auxiliary object class is used to hold standard information regarding an entry such as creation and modification dates and unique identifiers.			O		
AOC	ACP 133: aCPEntryCharacteristics	A	Required to hold the functions, tasks, Communities of Interest and Centralised Service Applications associated with a directory entry.			O		
AOC	ACP 133: aCPMhsCapabilitiesInformation	A	Required to hold messaging capabilities information associated with this entry.			O		

Type	Source: Identifier	Class	Description	International Usage and Format	Size	Mand. / Opt.	Multi / Single	Syntax
AOC	ACP 133: aCPOtherContactInformation	A	Required to hold additional contact details within this entry.			O		
AOC	ACP 133: aCPSecurePKIUser	B	Required to allow PKI Certificates to be associated with this entry.			O		

Table 2-46 – ACP Organizational Person Entry

257. ACP Organizational Role Entry:

Type	Source: Identifier	Class	Description	International Usage and Format	Size	Mand. / Opt.	Multi / Single	Syntax
Abstract OC	X.501: top	Z	Defined as an object class from which all structural object classes are subclassed.			M		
Superclass, SOC	X.521: organizationalRole	Z	Required to define basic organizational role attributes.			M		
SOC	ACP 133: aCPOrganizationalRole	A	Used to redefine an organizational role entry for extended ACP 133 use.					
Attribute	X.520: businessCategory	Z	Specifies information concerning the occupation of a person, or business related functions of an entry.		128	O	M	DirectoryString
Attribute	X.520: dnQualifier	Z	Used as part of an RDN to distinguish between directory entries for different objects.			O	M	PrintableString
Attribute	X.501: clearance	Z	Contains clearance settings for the entry, defining the authorizations granted to a specific user or application entry. It should be noted that this attribute is provided as defined for informational purposes and is not intended to be used for security enforcing functions. If security enforcing is required, the attribute should be held within another signed and protected attribute such as a Certificate.			O	S	Clearance
Attribute	RFC 2798: mail	Z	SMTP mailbox address associated with a role.		256	O	M	IA5String
Attribute	ACP 133: aCPCitizenship	A	Specifies the citizenship of an entry (typically the actual citizenship of a person entry or the citizenship of the role occupant of a role entry) as a three letter country code as defined in ISO 3166. Where a person holds dual-citizenship, the entry would typically contain both.	NZL, CAN		O	M	PrintableString

UNCLASSIFIED

ACP 133 SUPP-1(A)

Type	Source: Identifier	Class	Description	International Usage and Format	Size	Mand. / Opt.	Multi / Single	Syntax
Attribute	ACP 133: aCPLegacyFormat	A	Provides the specific message format type used when the value of the <i>aCPPreferredDelivery</i> attribute is ACP127.			O	S	Integer
Attribute	ACP 133: aCPRoleInformation	A	Used as an informal mapping in order to simplify access to an Organizational Person entry related to this Organizational Role or for other nationally defined purposes.		1024	O	M	DirectoryString
Attribute	ACP 133: aliasPointer	A	Distinguished Name of another related object which may need to be modified to maintain data consistency.			O	M	DistinguishedName
Attribute	ACP 133: alternateRecipient	A	Used to designate an X.400 alternate recipient for a messaging user.			O	M	DistinguishedName
Attribute	ACP 133: deployed	A	Distinguished names of other directory entries that represent the same real world object in the field.			O	M	DistinguishedName
Attribute	ACP 133: garrison	A	Contains distinguished names of other directory entries that represent the same real world object in <i>garrison</i> .			O	M	DistinguishedName
Attribute	ACP 133: guard	A	Specifies the Name(s) of any Guard Gateway.			O	M	DistinguishedName
Attribute	ACP 133: listPointer	A	Used to point to Address List directory entries which may have to be modified if the entry containing this attribute is modified.			O	M	DistinguishedName
Attribute	X.402: mhs-or-addresses (ldap: mhsORAddresses)	Z	Specifies an X.400 O/R Address.			O	M	ORAddress

UNCLASSIFIED

ACP 133 SUPP-1(A)

Type	Source: Identifier	Class	Description	International Usage and Format	Size	Mand. / Opt.	Multi / Single	Syntax
Attribute	ACP 133: nationality	A	Specifies the country which "owns" an entity. It is advised that National entries should use the ISO 3166 3 letter country code and that operations or exercises should use the name of that exercise or operation. The contents are intended primarily for information purposes but conformance to these rules will allow future automated processing or checking to be achieved.		69	O	S	PrintableString
Attribute Set	ACP 133: ACPDateAttributeSet	A	Set of ACP 133 date related attributes associated with this entry.					
AOC	RFC 2587: pkiCA	Z	The pkiCA auxiliary object class, defined in ITU-T Rec. X.509, is used in defining directory entries for Certification Authorities.			O		
AOC	RFC 2587: pkiUser	Z	Required to allow PKI Certification Authority information to be associated with this entry.			O		
AOC	ACP 133: aCPDistributionCodesHandled	A	Required to associate distribution codes with this entry.			O		
AOC	ACP 133: aCPEntryAdmin	A	The ACP 133 Entry Administration auxiliary object class is used to hold standard information regarding an entry such as creation and modification dates and unique identifiers.			O		
AOC	ACP 133: aCPEntryCharacteristics	A	Required to hold the functions, tasks, Communities of Interest and Centralised Service Applications associated with a directory entry.			O		
AOC	ACP 133: aCPMhsCapabilitiesInformation	A	Required to hold messaging capabilities information associated with this entry.			O		
AOC	ACP 133: aCPOtherContactInformation	A	Required to hold additional contact details within this entry.			O		

Type	Source: Identifier	Class	Description	International Usage and Format	Size	Mand. / Opt.	Multi / Single	Syntax
AOC	ACP 133: aCPPlaUser	C	Required to allow ACP 127 Plain Language Address information to be associated with this entry.			O		
AOC	ACP 133: aCPSecurePKIUser	B	Required to allow PKI Certificates to be associated with this entry.			O		
Attribute	X.402: mhs-or-addresses (ldap: mhsORAddresses)	Z	Specifies an X.400 O/R Address.			O	M	ORAddress

Table 2-47 – ACP Organizational Role Entry

258. ACP Organizational Unit Entry:

Type	Source: Identifier	Class	Description	International Usage and Format	Size	Mand. / Opt.	Multi / Single	Syntax
Abstract OC	X.501: top	Z	Defined as an object class from which all structural object classes are subclassed.			M		
Superclass , SOC	X.521: organizationalUnit	Z	Required to define basic organizational unit attributes.			M		
SOC	ACP 133: aCPOrganizationalUnit	A	Used to redefine an organizational unit entry for extended ACP 133 use.					
Attribute	X.520: dnQualifier	Z	Used as part of an RDN to distinguish between directory entries for different objects.			O	M	PrintableString
Attribute	X.501: clearance	Z	Contains clearance settings for the entry, defining the authorizations granted to a specific user or application entry. It should be noted that this attribute is provided as defined for informational purposes and is not intended to be used for security enforcing functions. If security enforcing is required, the attribute should be held within another signed and protected attribute such as a Certificate.			O	S	Clearance
Attribute	RFC 2798: mail	Z	SMTP mailbox address associated with a unit.		256	O	M	IA5String
Attribute	ACP 133: aCPLegacyFormat	A	Provides the specific message format type used when the value of the <i>aCPPreferredDelivery</i> attribute is ACP127.			O	S	Integer
Attribute	ACP 133: aliasPointer	A	Distinguished Name of another related object which may need to be modified to maintain data consistency.			O	M	DistinguishedName
Attribute	ACP 133: alternateRecipient	A	Used to designate an X.400 alternate recipient for a messaging user.			O	M	DistinguishedName

UNCLASSIFIED

ACP 133 SUPP-1(A)

Type	Source: Identifier	Class	Description	International Usage and Format	Size	Mand. / Opt.	Multi / Single	Syntax
Attribute	ACP 133: associatedPLA	C	Points to the ACP 127/JANAP 128 directory entry for the same messaging entity as represented by the Organizational Unit directory entry containing this attribute.			O	M	DistinguishedName
Attribute	ACP 133: deployed	A	Distinguished names of other directory entries that represent the same real world object in the field.			O	M	DistinguishedName
Attribute	ACP 133: garrison	A	Contains distinguished names of other directory entries that represent the same real world object in <i>garrison</i> .			O	M	DistinguishedName
Attribute	ACP 133: guard	A	Specifies the Name(s) of any Guard Gateway.			O	M	DistinguishedName
Attribute	ACP 133: listPointer	A	Used to point to Address List directory entries which may have to be modified if the entry containing this attribute is modified.			O	M	DistinguishedName
Attribute	X.402: mhs-or-addresses (ldap: mhsORAddresses)	Z	Specifies an X.400 O/R Address.			O	M	ORAddress
Attribute	ACP 133: nationalitynationality	A	Specifies the country which "owns" an entity. It is advised that National entries should use the ISO 3166 3 letter country code and that operations or exercises should use the name of that exercise or operation. The contents are intended primarily for information purposes but conformance to these rules will allow future automated processing or checking to be achieved.		69	O	S	PrintableString
Attribute Set	ACP 133: ACPDateAttributeSet	A	Set of ACP 133 date related attributes associated with this entry.					
AOC	RFC 2587: pkiCA	Z	Required to allow PKI Certification Authority information to be associated with this entry.			O		
AOC	ACP 133: aCPDistributionCodesHandled	A	Required to associate distribution codes with this entry.			O		

Type	Source: Identifier	Class	Description	International Usage and Format	Size	Mand. / Opt.	Multi / Single	Syntax
AOC	ACP 133: aCPEntryAdmin	A	The ACP 133 Entry Administration auxiliary object class is used to hold standard information regarding an entry such as creation and modification dates and unique identifiers.			O		
AOC	ACP 133: aCPEntryCharacteristics	A	Required to hold the functions, tasks, Communities of Interest and Centralised Service Applications associated with a directory entry.			O		
AOC	ACP 133: aCPMhsCapabilitiesInformation	A	Required to hold messaging capabilities information associated with this entry.			O		
AOC	ACP 133: aCPOtherContactInformation	A	Required to hold additional contact details within this entry.			O		
AOC	ACP 133: aCPPlaUser	C	Required to allow ACP 127 Plain Language Address information to be associated with this entry.			O		
AOC	ACP 133: aCPSecurePKIUser	B	Required to allow PKI Certificates to be associated with this entry.			O		

Table 2-48 – ACP Organizational Unit Entry

ACP 133 CLASS B OBJECT CLASS SCHEMA DEFINITIONS

259. ACP 133 Class B Object Class Definitions:

Type	Source: Identifier	Class	Description	OID
AOC	ACP 133: aCPSecurePKIUser	B	Used to define an entry that supports credentials for ACP 133 users and allows additional PKI attributes to be associated with this entry.	2.16.840.1.101.2.2.3.86
SOC	ACP 133: aCPCRLDistributionPoint	B	A CRL Distribution Point directory entry used to hold a CRL that is a subset of the complete CRL issued by one CA or that is a combination of CRLs issued by different CAs.	2.16.840.1.101.2.2.3.85

Table 2-49 – ACP 133 Class B Object Class Definitions

ACP 133 CLASS B AUXILIARY OBJECT CLASS CONTENT DEFINITIONS

260. ACP Secure PKI User Auxiliary Object Class:

Type	Source: Identifier	Class	Description	International Usage and Format	Size	Mand. / Opt.	Multi / Single	Syntax
AOC	ACP 133: aCPSecurePKIUser	B	Used to define an entry that supports credentials for ACP 133 users and allows additional PKI attributes to be associated with this entry.			M		
Attribute	X.509: attributeCertificate Attribute	Z	Contains the attribute certificates defined to protect attributes held within this entry.		N/A	O	M	AttributeCertificate
Attribute	X.509: userCertificate	Z	Contains the public key certificates which have been obtained for this entry. Each certificate contains the public keys of a user, together with some other information, rendered unforgeable by encipherment with the private key of the certification of the certification authority that issued it.			O	M	Certificate
Attribute	X.509: supportedAlgorithms	Z	Used to support the selection of an algorithm for use when communicating with a remote end entity using certificates.		N/A	O	M	SupportedAlgorithm

Table 2-50 – ACP Secure PKI User Auxiliary Object Class

ACP 133 CLASS B ENTRY DEFINITIONS

261. ACP CRL Distribution Point Entry:

Type	Source: Identifier	Class	Description	International Usage and Format	Size	Mand. / Opt.	Multi / Single	Syntax
Superclass, SOC	<i>X.501: top</i>	Z	Defined as an object class from which all structural object classes are subclassed.			M		
SOC	<i>RFC 2587: cRLDistributionPoint</i>	Z	Required to define basic CRL Distribution Point attributes.			M		
SOC	<i>ACP 133: aCPCRLDistributionPoint</i>	B	Used to hold a CRL that is a subset of the complete CRL issued by one CA or that is a combination of CRLs issued by different CAs.			M		
Attribute	ACP 133: aliasPointer	A	Distinguished Names of related entries which may need to be modified to maintain directory consistency.		N/A	O	M	DistinguishedName
Attribute Set	ACP 133: ACPDDateAttributeSet	A	Contains a list of date related ACP 133 additional attributes.			O	N/A	N/A
AOC	ACP 133: aCPEntryAdmin	A	The ACP 133 Entry Administration auxiliary object class is used to hold standard information regarding an entry such as creation and modification dates and unique identifiers.			O		

Table 2-51 – ACP CRL Distribution Point Entry

ACP 133 CLASS C OBJECT CLASS SCHEMA DEFINITIONS

262. ACP 133 Class C Object Class Definitions:

Type	Source: Identifier	Class	Description	OID
AOC	ACP 133: aCPPlaACP127	C	The ACP 133 plaACP127 auxiliary object class provides the general PLA attributes common to general service (GENSER) PLA entries, all of which inherit this class.	2.16.840.1.101.2.2.3.98
AOC	ACP 133: aCPPlaData	C	The ACP 133 plaData auxiliary object class contains attributes common to SI PLAs.	2.16.840.1.101.2.2.3.99
AOC	ACP 133: aCPPlaUser	C	The ACP 133 PLA User auxiliary object class is used to hold the name of a PLA's directory entry and, optionally, RI for addressing that PLA.	2.16.840.1.101.2.2.3.84
SOC	ACP 133: aCPAltSpellingACP127	C	The ACP 133 Alternate Spelling PLA object class provides for an alternate spelling of a PLA. It contains a reference to the PLA for which this entry is an alternate spelling.	2.16.840.1.101.2.2.3.87
SOC	ACP 133: aCPCadACP127	C	The ACP 133 CAD PLA object class provides for naming and referring to an ACP 127/JANAP 128 distribution list. CADs are medium-to-large distribution lists used to address homogeneous activities and which are centrally defined and programmed into AUTODIN switching centres.	2.16.840.1.101.2.2.3.88
SOC	ACP 133: aCPDSSCSPLA	C	The ACP 133 DSSCS PLA object class provides for a single IC legacy messaging organization.	2.16.840.1.101.2.2.3.89
SOC	ACP 133: aCPOrgACP127	C	The ACP 133 Organizational PLA object class provides for a single ACP 127/JANAP 128 messaging organization.	2.16.840.1.101.2.2.3.90
SOC	ACP 133: aCPPLACollectiveACP127	C	The ACP 133 PLA Collective object class provides for an ACP 127/JANAP 128 AIG distribution list or Type distribution list. A Type collective is composed of military units of the same type, such as destroyers.	2.16.840.1.101.2.2.3.91
SOC	ACP 133: aCPRoutingIndicator	C	The ACP 133 Routing Indicator object class provides the description for an ACP 127/JANAP 128 Routing Indicator.	2.16.840.1.101.2.2.3.92
SOC	ACP 133: aCPSigIntPLA	C	The ACP 133 Signal Intelligence PLA object class provides for sensitive SI PLAs.	2.16.840.1.101.2.2.3.93
SOC	ACP 133: aCPSIPLA	C	The ACP 133 Special Intelligence PLA object class provides for a single SI messaging user of ACP 127/JANAP 128.	2.16.840.1.101.2.2.3.94
SOC	ACP 133: aCPSpotPLA	C	The ACP 133 SPOT PLA object class provides for special products distribution lists used in ACP 127/JANAP 128.	2.16.840.1.101.2.2.3.95
SOC	ACP 133: aCPTaskForceACP127	C	The ACP 133 Task Force PLA object class provides the composition and description of an ACP 127/JANAP 128 task force distribution list.	2.16.840.1.101.2.2.3.96
SOC	ACP 133: aCPTenantACP127	C	The ACP 133 Tenant PLA object class provides the reference to the host PLA for this tenant. An example of a host is a ship and of a tenant, a Marine detachment on the ship.	2.16.840.1.101.2.2.3.97

Table 2-52 – ACP 133 Class C Object Class Definitions

ACP 133 CLASS C AUXILIARY OBJECT CLASS CONTENT DEFINITIONS

263. ACP Plain Language Address ACP127 Auxiliary Object Class:

Type	Source: Identifier	Class	Description	International Usage and Format	Size	Mand. / Opt.	Multi / Single	Syntax
AOC	ACP 133: aCPPlaACP127	C	Provides the general PLA attributes common to general service (GENSER) PLA entries, all of which inherit this class.			M		
Attribute	ACP 133: community	C	Indicates security community an object belongs to.			O	S	Integer
Attribute	ACP 133: nationality	A	Specifies the country which "owns" an entity. It is advised that National entries should use the ISO 3166 3 letter country code and that operations or exercises should use the name of that exercise or operation. The contents are intended primarily for information purposes but conformance to these rules will allow future automated processing or checking to be achieved.		69	O	S	PrintableString
Naming Attribute	ACP 133: plaNameACP127	C	Specifies an entry's ACP 127/JANAP 128 plain language address.		55	M	S	PrintableString
Attribute	ACP 133: publish	C	Indicates whether this PLA should be published in the Message Address Directory or the ACP 117.			O	S	Boolean
Attribute	ACP 133: remarks	C	Textual information associated with a PLA's directory entry.			O	M	SequenceOfPrintableString
Attribute	ACP 133: serviceOrAgency	C	Identifier of the Service or Agency to which the PLA belongs.			O	S	PrintableString
Attribute Set	ACP 133: ACPDateAttributeSet	A	Set of ACP 133 date related attributes associated with this entry.					

Table 2-53 – ACP Plain Language Address ACP 127 Auxiliary Object Class

264. ACP Plain Language Address Data Auxiliary Object Class:

Type	Source: Identifier	Class	Description	International Usage and Format	Size	Mand. / Opt.	Multi / Single	Syntax
AOC	ACP 133: aCPPlaData	C	Contains attributes common to SI PLAs.			M		
Attribute	X.520: description	Z	Text string which describes the associated object.		1024	O	M	DirectoryString
Attribute	ACP 133: community	C	Indicates security community an object belongs to.			O	S	Integer
Attribute Set	ACP 133: ACPDateAttributeSet	A	Set of ACP 133 date related attributes associated with this entry.			O	N/A	N/A

Table 2-54 – ACP Plain Language Address Data Auxiliary Object Class

265. ACP PLA User Auxiliary Object Class:

Type	Source: Identifier	Class	Description	International Usage and Format	Size	Mand. / Opt.	Multi / Single	Syntax
AOC	ACP 133: aCPPlaUser	C	Provides access to the name of a PLA's directory entry and, optionally, RI for addressing that PLA.			M		
Attribute	ACP 133: alternatePLAName	C	Specifies alternate plain language addresses associated with an entry.		55	O	M	DirectoryString
Attribute	ACP 133: plaNameACP127	C	Specifies an entry's ACP 127/JANAP 128 plain language address.		1..55	M	M	PrintableString
Attribute	ACP 133: rI	C	Information mapped to in ACP 127/JANAP 128 from a user's PLA name.			O	M	PrintableString
Attribute	ACP 133: rInfo	C	RI values with the associated properties of each RI.			O	S	RIParameters

Table 2-55 – ACP PLA User Auxiliary Object Class

ACP 133 CLASS C ENTRY DEFINITIONS

266. ACP Alternate Spelling ACP 127 Entry:

Type	Source: Identifier	Class	Description	International Usage and Format	Size	Mand. / Opt.	Multi / Single	Syntax
Abstract OC	<i>X.501: top</i>	Z	Defined as an object class from which all structural object classes are subclassed.			M		
SOC	<i>ACP 133: aCPAltSpellingACP127</i>	C	Provides for an alternate spelling of a PLA. It contains a reference to the PLA for which this entry is an alternate spelling.			M		
Naming Attribute	ACP 133: plaNameACP127	C	Specifies an entry's ACP 127/JANAP 128 plain language address.		55	M	S	PrintableString
Attribute	ACP 133: plaReplace	C	Indicates whether the real ACP 127/JANAP 128 plain language address should replace the "alternative spelling" PLA.			M	S	Boolean
Attribute	ACP 133: primarySpellingACP127	C	The object's real PLA spelling.		55	M	M	PrintableString
AOC	<i>ACP 133: aCPEntryAdmin</i>	A	The ACP 133 Entry Administration auxiliary object class is used to hold standard information regarding an entry such as creation and modification dates and unique identifiers.			O		
AOC	<i>ACP 133: aCPPlaACP127</i>	C	Required to provide the general PLA attributes common to general service (GENSER) PLA entries.			O		

Table 2-56 – ACP Alternate Spelling ACP 127 Entry

267. ACP Collective Address Designator ACP 127 Entry:

Type	Source: Identifier	Class	Description	International Usage and Format	Size	Mand. / Opt.	Multi / Single	Syntax
Abstract OC	<i>X.501: top</i>	Z	Defined as an object class from which all structural object classes are subclassed.			M		
SOC	<i>ACP 133: aCPCadACP127</i>	C	Provides for naming and referring to an ACP 127/JANAP 128 distribution list. CADs are medium-to-large distribution lists used to address homogeneous activities and which are centrally defined and programmed into AUTODIN switching centres.			M		
Attribute	ACP 133: associatedAL	C	Points to the address list object which replaces the ACP 127/JANAP 128 CAD / Task Force PLA.			O	M	DistinguishedName
Attribute	ACP 133: cognizantAuthority	C	Indicates the administrator for an ACP 127/JANAP 128 collective.		55	M	S	PrintableString
Attribute	ACP 133: entryClassification	C	Indicates the classification of the directory entry that contains this attribute.			O	S	Classification
Naming Attribute	ACP 133: plaNameACP127	C	Specifies an entry's ACP 127/JANAP 128 plain language address.		55	M	S	PrintableString
Attribute	ACP 133: recapDueDate	C	Indicates when a list is expected to be recapped or validated.			O	S	GeneralizedTime
Attribute	ACP 133: rInfo	C	RI values with the associated properties of each RI.			O	M	RIParameters
AOC	<i>ACP 133: aCPEnterAdmin</i>	A	The ACP 133 Entry Administration auxiliary object class is used to hold standard information regarding an entry such as creation and modification dates and unique identifiers.			O		
AOC	<i>ACP 133: aCPPlaACP127</i>	C	Required to provide the general PLA attributes common to general service (GENSER) PLA entries.			O		

Table 2-57 – ACP Collective Address Designator ACP 127 Entry

268. ACP DSSCS PLA Entry:

Type	Source: Identifier	Class	Description	International Usage and Format	Size	Mand. / Opt.	Multi / Single	Syntax
Abstract OC	X.501: top	Z	Defined as an object class from which all structural object classes are subclassed.			M		
SOC	ACP 133: aCPDSSCSPLA	C	Provides for a single IC legacy messaging organization.			M		
Attribute	X.520: localityName (ldap: l)	Z	Identifies a geographical area or locality in which the object represented by the directory entry is physically located or with which the entry is associated in some other important way.		128	O	M	Name
Attribute	ACP 133: adminConversion	C	Provides for using an abbreviation of the organization's administrative title as an administrative message address.			O	M	DirectoryString
Attribute	ACP 133: associatedOrganization	C	Points to the Organizational Unit directory entry which represents the same organizational messaging entity as the PLA directory entry containing this attribute.			O	M	DistinguishedName
Attribute	ACP 133: rf	C	Information mapped to in ACP 127/JANAP 128 from a user's PLA name.			M	M	PrintableString
Attribute	ACP 133: sigad	C	PLA name used for sensitive SIGINT related communications.			O	S	PrintableString
Attribute	ACP 133: usdConversion	C	Organizational address that is used when other types of address are not appropriate.			O	M	DirectoryString
Naming Attribute	ACP 133: plaNamACP127	C	Specifies an entry's ACP 127/JANAP 128 plain language address.		55	M	S	PrintableString

Type	Source: Identifier	Class	Description	International Usage and Format	Size	Mand. / Opt.	Multi / Single	Syntax
AOC	ACP 133: aCPEnterAdmin	A	The ACP 133 Entry Administration auxiliary object class is used to hold standard information regarding an entry such as creation and modification dates and unique identifiers.			O		
AOC	ACP 133: aCPPlaACP127	C	Required to provide the general PLA attributes common to general service (GENSER) PLA entries.			O		

Table 2-58 – ACP DSSCS PLA Entry

269. ACP Organization ACP 127 Entry:

Type	Source: Identifier	Class	Description	International Usage and Format	Size	Mand. / Opt.	Multi / Single	Syntax
Abstract OC	X.501: top	Z	Defined as an object class from which all structural object classes are subclassed.			M		
SOC	ACP 133: aCPOrgACP127	C	Provides for a single ACP 127/JANAP 128 messaging organization.			M		
Attribute	X.520: countryName (ldap: c)	Z	2 character country code as defined in ISO 3166.		2	O	S	CountryString
Attribute	X.520: localityName (ldap: l)	Z	Identifies a geographical area or locality in which the object represented by the directory entry is physically located or with which the entry is associated in some other important way.		128	O	M	Name
Attribute	X.520: stateOrProvinceName (ldap: st)	Z	Indicates a state or province.		128	O	M	Name
Attribute	ACP 133: accountingCode	C	Character string used in logistics applications to uniquely identify an organization.		7	O	M	PrintableString
Attribute	ACP 133: associatedOrganization	C	Points to the Organizational Unit directory entry which represents the same organizational messaging entity as the PLA directory entry containing this attribute.			O	M	DistinguishedName
Attribute	ACP 133: dualRoute	C	Indicates whether delivery of messages for an organization to both the home and deployed sites is required.			O	S	Boolean
Attribute	ACP 133: entryClassification	C	Indicates the classification of the directory entry that contains this attribute.			O	S	Classification
Attribute	ACP 133: longTitle	C	The expanded form of an organization's PLA.		255	O	S	PrintableString
Attribute	ACP 133: minimize	C	Specifies whether the object associated with the directory entry, is believed to be under the MINIMIZE condition.			O	S	Boolean

UNCLASSIFIED

ACP 133 SUPP-1(A)

Type	Source: Identifier	Class	Description	International Usage and Format	Size	Mand. / Opt.	Multi / Single	Syntax
Attribute	ACP 133: minimizeOverride	C	Used by the Message Conversion System (MCS) to determine whether the MINIMIZE condition will be enforced when a message is originated by this PLA.			O	S	Boolean
Attribute	ACP 133: nameClassification	C	Indicates the security classification of the name of the directory entry itself.			O	M	Classification
Naming Attribute	ACP 133: plaNameACP127	C	Specifies an entry's ACP 127/JANAP 128 plain language address.		55	M	S	PrintableString
Attribute	ACP 133: rI	C	Information mapped to in ACP 127/JANAP 128 from a user's PLA name.			O	M	PrintableString
Attribute	ACP 133: rIInfo	C	RI values with the associated properties of each RI.			O	M	RIParameters
Attribute	ACP 133: section	C	Indicates if the receiving PLA requires message sectioning to be performed.			O	S	Boolean
Attribute	ACP 133: tARE	C	Flag that specifies delivery responsibility for a message that is received by an intermediary.			O	S	Boolean
AOC	ACP 133: aCPEntryAdmin	A	The ACP 133 Entry Administration auxiliary object class is used to hold standard information regarding an entry such as creation and modification dates and unique identifiers.			O		
AOC	ACP 133: aCPPlaACP127	C	Required to provide the general PLA attributes common to general service (GENSER) PLA entries.			O		

Table 2-59 – ACP Organization ACP 127 Entry

270. ACP Plain Language Address Collective ACP 127 Entry:

Type	Source: Identifier	Class	Description	International Usage and Format	Size	Mand. / Opt.	Multi / Single	Syntax
Abstract OC	X.501: top	Z	Defined as an object class from which all structural object classes are subclassed.			M		
SOC	ACP 133: aCPPLACollectiveACP127	C	Provides for an ACP 127/JANAP 128 AIG distribution list or Type distribution list. A Type collective is composed of military units of the same type, such as destroyers.			M		
Attribute	X.520: description	Z	Text string which describes the associated Distribution Code.		1024	O	M	DirectoryString
Attribute	ACP 133: actionAddressees	C	List of action plain language addressees of the collective.			O	M	PrintableString
Attribute	ACP 133: allowableOriginators	C	Name of an ACP 127/JANAP 128 collective that contains the list of PLAs that are allowed to originate messages to this list.			O	M	PrintableString
Attribute	ACP 133: associatedAL	C	Points to the address list object which replaces the ACP 127/JANAP 128 Task Force PLA.			O	M	DistinguishedName
Attribute	ACP 133: cognizantAuthority	C	Indicates the administrator for an ACP 127/JANAP 128 collective.		55	M	S	PrintableString
Attribute	ACP 133: entryClassification	C	Indicates the classification of the directory entry that contains this attribute.			O	S	Classification
Attribute	ACP 133: infoAddressees	C	List of information plain language addressees of the collective.			O	M	PrintableString
Attribute	ACP 133: lastRecapDate	C	Indicates when a list was last recapped or validated.			O	S	GeneralizedTime
Naming Attribute	ACP 133: plaNameACP127	C	Specifies an entry's ACP 127/JANAP 128 plain language address.		55	M	S	PrintableString
Attribute	ACP 133: recapDueDate	C	Indicates when a list is expected to be recapped or validated.			O	S	GeneralizedTime

Type	Source: Identifier	Class	Description	International Usage and Format	Size	Mand. / Opt.	Multi / Single	Syntax
AOC	ACP 133: <u>aCPEnterAdmin</u>	A	The ACP 133 Entry Administration auxiliary object class is used to hold standard information regarding an entry such as creation and modification dates and unique identifiers.			O		
AOC	ACP 133: <u>aCPPlaACP127</u>	C	Required to provide the general PLA attributes common to general service (GENSER) PLA entries.			O		

Table 2-60 – ACP Plain Language Address Collective ACP 127 Entry

271. ACP Routing Indicator Entry:

Type	Source: Identifier	Class	Description	International Usage and Format	Size	Mand. / Opt.	Multi / Single	Syntax
Abstract OC	<i>X.501: top</i>	Z	Defined as an object class from which all structural object classes are subclassed.			M		
SOC	<i>ACP 133: aCPRoutingIndicator</i>	C	Provides the description for an ACP 127/JANAP 128 Routing Indicator.			M		
Attribute	x.420: mhs-maximum-content-length	Z	Identifies the maximum content length of the messages that can be handled by the object represented by the directory entry.			O	S	Integer
Attribute	ACP 133: lmf	C	Indicates the language and media format that can be accepted between the two communicating end-systems.		1	O	S	PrintableString
Attribute	ACP 133: nationality	C	Specifies the country which "owns" an entity. It is advised that National entries should use the ISO 3166 3 letter country code and that operations or exercises should use the name of that exercise or operation. The contents are intended primarily for information purposes but conformance to these rules will allow future automated processing or checking to be achieved.		69	O	S	PrintableString
Attribute	ACP 133: publish	C	Indicates whether this PLA should be published in the Message Address Directory or the ACP 117.			O	S	Boolean
Naming Attribute	ACP 133: rI	C	Information mapped to in ACP 127/JANAP 128 from a user's PLA name.			M	M	PrintableString
Attribute	ACP 133: rIClassification	C	Indicates the highest classification of data allowed to be processed by a specified device.			O	M	Classification
Attribute	ACP 133: sHD	C	String containing the special handling designator which an entity, address, or routing indicator can support.			O	M	PrintableString
Attribute	ACP 133: tCC	C	Specifies a message handling instruction used in the routing indicator.			O	M	PrintableString

UNCLASSIFIED

ACP 133 SUPP-1(A)

Type	Source: Identifier	Class	Description	International Usage and Format	Size	Mand. / Opt.	Multi / Single	Syntax
Attribute	ACP 133: transferStation	C	Indicates whether a message for the entity should be sent to a communications processing and routing system, called a transfer station.			O	S	Boolean
Attribute	ACP 133: tRC	C	Classification of data used in the routing indicator.		1	O	M	PrintableString
AOC	<i>ACP 133: aCPEnterAdmin</i>	A	The ACP 133 Entry Administration auxiliary object class is used to hold standard information regarding an entry such as creation and modification dates and unique identifiers.			O		
AOC	<i>ACP 133: aCPPlaData</i>	C	Required to define attributes common to SI PLAs.			O		

Table 2-61 – ACP Routing Indicator Entry

272. ACP Signal Intelligence Plain Language Address Entry:

Type	Source: Identifier	Class	Description	International Usage and Format	Size	Mand. / Opt.	Multi / Single	Syntax
Abstract OC	X.501: top	Z	Defined as an object class from which all structural object classes are subclassed.			M		
SOC	ACP 133: aCPSigIntPLA	C	Provides for sensitive SI PLAs.			M		
Attribute	X.520: localityName (ldap: l)	Z	Identifies a geographical area or locality in which the object represented by the directory entry is physically located or with which the entry is associated in some other important way.			O	M	Name
Attribute	ACP 133: nationality	C	Specifies the country which "owns" an entity. It is advised that National entries should use the ISO 3166 3 letter country code and that operations or exercises should use the name of that exercise or operation. The contents are intended primarily for information purposes but conformance to these rules will allow future automated processing or checking to be achieved.		69	O	S	PrintableString
Attribute	ACP 133: publish	C	Indicates whether this PLA should be published in the Message Address Directory or the ACP 117.			O	S	Boolean
Attribute	ACP 133: remarks	C	Textual information associated with a PLA's directory entry.			O	M	SequenceOfPrintableString
Attribute	ACP 133: r1	C	Information mapped to in ACP 127/JANAP 128 from a user's PLA name.			O	M	PrintableString
Attribute	ACP 133: shortTitle	C	PLA name used for Signal Intelligence (SIGINT) related communications.		55	O	S	PrintableString

Type	Source: Identifier	Class	Description	International Usage and Format	Size	Mand. / Opt.	Multi / Single	Syntax
Naming Attribute	ACP 133: sigad	C	PLA name used for sensitive SIGINT related communications.		55	M	S	PrintableString
AOC	ACP 133: aCPEnterAdmin	A	The ACP 133 Entry Administration auxiliary object class is used to hold standard information regarding an entry such as creation and modification dates and unique identifiers.			O		
AOC	ACP 133: aCPPlaData	C	Required to define attributes common to SI PLAs.			O		

Table 2-62 – ACP Signal Intelligence Plain Language Address Entry

273. ACP Special Intelligence Plain Language Address Entry:

Type	Source: Identifier	Class	Description	International Usage and Format	Size	Mand. / Opt.	Multi / Single	Syntax
Abstract OC	X.501: top	Z	Defined as an object class from which all structural object classes are subclassed.			M		
SOC	ACP 133: aCPSIPLA	C	Provides for a single SI messaging user of ACP 127/JANAP 128.			M		
Attribute	X.520: localityName (ldap: l)	Z	Identifies a geographical area or locality in which the object represented by the directory entry is physically located or with which the entry is associated in some other important way.			O	M	Name
Naming Attribute	ACP 133: longTitle	C	The expanded form of an organization's PLA.		255	M	S	PrintableString
Attribute	ACP 133: nationality	C	Specifies the country which "owns" an entity. It is advised that National entries should use the ISO 3166 3 letter country code and that operations or exercises should use the name of that exercise or operation. The contents are intended primarily for information purposes but conformance to these rules will allow future automated processing or checking to be achieved.		69	O	S	PrintableString
Attribute	ACP 133: publish	C	Indicates whether this PLA should be published in the Message Address Directory or the ACP 117.			O	S	Boolean
Attribute	ACP 133: remarks	C	Textual information associated with a PLA's directory entry.			O	M	SequenceOfPrintableString
Attribute	ACP 133: rf	C	Information mapped to in ACP 127/JANAP 128 from a user's PLA name.			O	M	PrintableString
Attribute	ACP 133: shortTitle	C	PLA name used for Signal Intelligence (SIGINT) related communications.		55	O	S	PrintableString
Attribute	ACP 133: sigad	C	PLA name used for sensitive SIGINT related communications.		55	M	S	PrintableString

Type	Source: Identifier	Class	Description	International Usage and Format	Size	Mand. / Opt.	Multi / Single	Syntax
AOC	ACP 133: aCPEnterAdmin	A	The ACP 133 Entry Administration auxiliary object class is used to hold standard information regarding an entry such as creation and modification dates and unique identifiers.			O		
AOC	ACP 133: aCPPlaData	C	Required to define attributes common to SI PLAs.			O		

Table 2-63 – ACP Special Intelligence Plain Language Address Entry

274. ACP Special Products Distribution List Entry:

Type	Source: Identifier	Class	Description	International Usage and Format	Size	Mand. / Opt.	Multi / Single	Syntax
Abstract OC	<i>X.501: top</i>	Z	Defined as an object class from which all structural object classes are subclassed.			M		
SOC	<i>ACP 133: aCPSpotPLA</i>	C	Provides for special products distribution lists used in ACP 127/JANAP 128.			M		
Attribute	X.402: mhs-dl-submit-permissions	Z	Mailboxes/Directory entries which are permitted to submit messages incorporating this address list.			O	M	DLSubmitPermission
Attribute	ACP 133: actionAddressees	C	List of action addressees of an ACP 127/JANAP 128 collective.			O	M	PrintableString
Attribute	ACP 133: additionalAddressees	C	List of addressees to be added to the actionAddressees list under circumstances identified in the remarks attribute of the same directory entry.			O	M	PrintableString
Attribute	ACP 133: additionalSecondPartyAddressees	C	List of addressees to be added to the secondPartyAddressees list under circumstances identified in the remarks attribute of the same directory entry.			O	M	PrintableString
Attribute	ACP 133: remarks	C	Textual information associated with a PLA's directory entry.			O	M	SequenceOfPrintableString
Attribute	ACP 133: secondPartyAddressees	C	A list of second party action PLAs			O	M	PrintableString
Naming Attribute	ACP 133: spot	C	Special project address list or collective.		55	M	S	PrintableString
AOC	<i>ACP 133: aCPEntryAdmin</i>	A	The ACP 133 Entry Administration auxiliary object class is used to hold standard information regarding an entry such as creation and modification dates and unique identifiers.			O		
AOC	<i>ACP 133: aCPPlaData</i>	C	Required to define attributes common to SI PLAs.			O		

Table 2-64 – ACP Special Products Distribution List Entry

275. ACP Task Force ACP 127 Entry:

Type	Source: Identifier	Class	Description	International Usage and Format	Size	Mand. / Opt.	Multi / Single	Syntax
Abstract OC	<i>X.501: top</i>	Z	Defined as an object class from which all structural object classes are subclassed.			M		
SOC	<i>ACP 133: aCPTaskForceACP127</i>	C	Provides the composition and description of an ACP 127/JANAP 128 task force distribution list.			M		
Attribute	ACP 133: associatedAL	C	Points to the address list object which replaces the ACP 127/JANAP 128 Task Force PLA.			O	M	DistinguishedName
Attribute	ACP 133: cognizantAuthority	C	Indicates the administrator for an ACP 127/JANAP 128 collective.		55	M	S	PrintableString
Attribute	ACP 133: entryClassification	C	Indicates the classification of the directory entry that contains this attribute.			O	S	Classification
Attribute	ACP 133: lastRecapDate	C	Indicates when a list was last recapped or validated.			M	S	GeneralizedTime
Attribute	ACP 133: plaAddressees	C	Contains the list of action and information addressees of the collective.			O	M	PrintableString
Naming Attribute	ACP 133: plaNameACP127	C	Specifies an entry's ACP 127/JANAP 128 plain language address.		55	M	S	PrintableString
Attribute	ACP 133: recapDueDate	C	Indicates when a list is expected to be recapped or validated.			M	S	GeneralizedTime
AOC	<i>ACP 133: aCPEntryAdmin</i>	A	The ACP 133 Entry Administration auxiliary object class is used to hold standard information regarding an entry such as creation and modification dates and unique identifiers.			O		
AOC	<i>ACP 133: aCPPlaACP127</i>	C	Required to provide the general PLA attributes common to general service (GENSER) PLA entries.			O		

Table 2-65 – ACP Task Force ACP 127 Entry

276. ACP Tenant ACP 127 Entry:

Type	Source: Identifier	Class	Description	International Usage and Format	Size	Mand. / Opt.	Multi / Single	Syntax
Abstract OC	<i>X.501: top</i>	Z	Defined as an object class from which all structural object classes are subclassed.			M		
SOC	<i>ACP 133: aCPTenantACP127</i>	C	Provides the reference to the host PLA for this tenant. An example of a host is a ship and of a tenant, a Marine detachment on the ship.			M		
Attribute	ACP 133: entryClassification	C	Indicates the classification of the directory entry that contains this attribute.			O	S	Classification
Attribute	ACP 133: hostOrgACP127	C	Identifies the PLA for the organization which accepts traffic for a tenant.		55	M	S	PrintableString
Naming Attribute	ACP 133: plaNameACP127	C	Specifies an entry's ACP 127/JANAP 128 plain language address.		55	M	S	PrintableString
Attribute	ACP 133: tARE	C	Flag that specifies delivery responsibility for a message that is received by an intermediary.			O	S	Boolean
AOC	<i>ACP 133: aCPEntiryAdmin</i>	A	The ACP 133 Entry Administration auxiliary object class is used to hold standard information regarding an entry such as creation and modification dates and unique identifiers.			O		
AOC	<i>ACP 133: aCPPlaACP127</i>	C	Required to provide the general PLA attributes common to general service (GENSER) PLA entries.			O		

Table 2-66 – ACP Tenant ACP 127 Entry

ACP 133 CLASS D OBJECT CLASS SCHEMA DEFINITIONS

277. ACP 133 Class C Object Class Definitions:

Type	Source: Identifier	Class	Description	OID
SOC	<i>ACP 133:aCPrivilege</i>	A	The ACP 133 Privilege object class is used to assign privileges to role entries and allowing these privileges to be sent to other Nations for reference	2.16.840.1.101.2.2.3.105

Table 2-67 – ACP 133 Class D Object Class Definitions

ACP 133 CLASS D OBJECT CLASS CONTENT DEFINITIONS

278. ACP Privilege Entry:

Type	Source: Identifier	Class	Description	International Usage and Format	Size	Mand. / Opt.	Multi / Single	Syntax
Abstract OC	<i>X.501: top</i>	Z	Defined as an object class from which all structural object classes are subclassed.			M		
Superclass, SOC	<i>ACP133: aCPrivilege</i>	A	Required to define privileges associated with entities			M		
Attribute	X.520: businessCategory	Z	Specifies information concerning the occupation of a person, or business related functions of an entry.		128	O	M	DirectoryString

UNCLASSIFIED

ACP 133 SUPP-1(A)

Type	Source: Identifier	Class	Description	International Usage and Format	Size	Mand. / Opt.	Multi / Single	Syntax
Attribute	X.501: clearance	Z	Contains clearance settings for the entry, defining the authorizations granted to a specific user or application entry. It should be noted that this attribute is provided as defined for informational purposes and is not intended to be used for security enforcing functions. If security enforcing is required, the attribute should be held within another signed and protected attribute such as a Certificate.			O	S	Clearance
Attribute	X.520: countryName (ldap: c)	Z	2 character country code as defined in ISO 3166.		2	O	S	CountryString
Attribute	X.520: description	Z	Specifies a text string which describes the associated object.		1024	O	M	DirectoryString
Attribute	ACP 133: effectiveDate	A	Date at which directory entry is to become valid.			O	S	GeneralizedTime
Attribute	ACP 133: expirationDate	A	Date at which directory entry becomes invalid.			O	S	GeneralizedTime
Attribute	ACP 133: nationality	A	Specifies the country which "owns" an entity. It is advised that National entries should use the ISO 3166 3 letter country code and that operations or exercises should use the name of that exercise or operation. The contents are intended primarily for information purposes but conformance to these rules will allow future automated processing or checking to be achieved.		69	O	S	PrintableString
Attribute	X.520: owner	Z	Points to some object which has some responsibility for the directory entry that contains this attribute.			O	S	DistinguishedName
Attribute	X.520: seeAlso	Z	Points to another entry which may also relate to this entry.			O	M	DistinguishedName

Table 2-68 – ACP Privilege Entry

CHAPTER 3

FUNCTIONAL DESCRIPTORS

It should be noted that Function Descriptors should remain with associated Functions. Thus new entries will be added to the end of the list regardless of their alphabetic position. Deleted entries will be marked as “(unallocated)”. See [aCPFunctionalDescription](#) attribute for more details.

FUNCTION ID.	FUNCTION / ROLE KEYWORD
1.	Accidents
2.	Acoustics
3.	Administration
4.	Air Force
5.	Amphibious
6.	Analysis
7.	Arms Control
8.	Battle Damage Assessment
9.	Capability Development
10.	Capability Management
11.	Casualties
12.	Chemical, Biological, Radiological, Nuclear (CBRN)
13.	Civil Assistance
14.	Civil-Military Cooperation (CIMIC)
15.	Collateral Damage
16.	Combat Search and Rescue (CSAR)
17.	Command and Control
18.	Communications and Computing
19.	Comptroller
20.	Computer Network Defence (CND)
21.	Concept Development and Experimentation (CDE)

FUNCTION ID.	FUNCTION / ROLE KEYWORD
22.	Crisis Management
23.	Deployment
24.	Doctrine
25.	Effects Assessment
26.	Electronic Warfare (EW)
27.	Engineering
28.	Environmental Management
29.	Equipment
30.	Exercises
31.	Exploitation
32.	Force Development
33.	Force Generation
34.	Force Protection
35.	Financial
36.	Foreign Military Sales (FMS)
37.	Geospatial
38.	Health
39.	Human Resource (HR)
40.	Humanitarian Assistance/Disaster Relief (HA/DR)
41.	Hydrography
42.	Imagery
43.	Incidents
44.	In Service Systems Support
45.	Industry
46.	Information and Communications Technology (ICT)
47.	Information Operations (IO)

FUNCTION ID.	FUNCTION / ROLE KEYWORD
48.	Intellectual Property (IP)
49.	Intelligence Services
50.	International Relations
51.	Interoperability
52.	Joint
53.	Joint Staff
54.	Judge Advocate General
55.	Army
56.	Legal
57.	Lessons Learned
58.	Liaison/Exchange Officer
59.	Logistics
60.	Maintenance
61.	Marines
62.	Maritime
63.	Medical
64.	Military Advisor
65.	Missile Defence
66.	Mobilisation
67.	Modelling and Simulation (MandS)
68.	Movements and Transport
69.	Multinational
70.	Multinational Operations
71.	Networks, NEC, NCW
72.	Operational Command
73.	Operational Research

FUNCTION ID.	FUNCTION / ROLE KEYWORD
74.	Operations/Combat
75.	Operations Planning
76.	Operations Support
77.	Peacekeeping
78.	Personnel
79.	Planning
80.	Political Affairs
81.	Policy
82.	Programs
83.	Project Management
84.	Property
85.	Provost Marshal
86.	PSYOPS
87.	Public Relations (PR)
88.	Publications
89.	Quality
90.	Readiness
91.	Reconnaissance
92.	RDTandE
93.	Resource Management
94.	Safety
95.	Salvage
96.	Science and Technology (SandT)
97.	(Unallocated)
98.	Security

FUNCTION ID.	FUNCTION / ROLE KEYWORD
99.	Signals Intelligence
100.	Space
101.	Special Forces
102.	Standard Operating Procedures (SOP)
103.	Standards
104.	Strategic Command
105.	Strategy
106.	Sub-surface/submarine
107.	Surveillance
108.	Survey
109.	Sustainment
110.	Tactical Command
111.	Targeting
112.	Technical Cooperation
113.	Terrorism
114.	Threat, Risk and Vulnerabilities
115.	Transition
116.	Trials and Assessment
117.	Training
118.	Unmanned Aerial Vehicles (UAV)
119.	Visits
120.	Warfare
121.	Welfare
122.	Operational Capability Evaluation
123.	Knowledge Management

LIST OF EFFECTIVE PAGES

Subject Matter	Page Numbers
Title Paage.....	i (rb)
Foreword	iii (rb)
Letter of Promulgation	v (rb)
Record of Message Corrections ...	vii (rb)
Table of Contents	ix to xi (rb)
Chapter 1	1-1 (rb)
Chapter 2	2-1 to 2-142
Chapter 3	3-1 to 3-5 (rb)
List of Effective Pages	LEP-1 (rb)

rb = Reverse Blank