



# **GOVERNMENTWIDE DIRECTORY SUPPORT 2 TECHNICAL SERIES**

## **The Updated USGold Schema**

**July 14, 1997**



**BOOZ·ALLEN & HAMILTON**

**Contract No. GS00K92AHD0005**

**Task Number 154-GSA-96T  
Milestone 4, Deliverable 19**



## Appendix D - USGold Schema

Object Class	Source	Implementation		Data Population	
		Mand.	Opt.	Mand.	Opt.
<b>account</b> RFC 1274 x					
description	X.520	x			x
localityName	X.520	x			x
organizationName	X.520	x			x
organizationalUnitName	X.520	x			x
seeAlso	X.520	x			x
host	RFC 1274	x			x
userid	RFC 1274	x		x	
<b>aDMD</b> X.4xx x					
mhs-CN	X.4xx	x		x	
<b>alias</b> X.521 x					
aliasedObjectName	X.520	x		x	
<b>alternateSpellingPLA</b> DMS x					
community	DMS	x			x
effectiveDate	DMS	x		x	
expirationDate	DMS	x			x
nationality	DMS	x			x
plaName	DMS	x		x	
plaReplace	DMS	x		x	
primarySpelling	DMS	x		x	
publish	DMS	x		x	
remarks	DMS	x			x
serviceOrAgency	DMS	x		x	
<b>applicationEntity</b> X.521 x					
commonName	X.520	x		x	
description	X.520	x			x
localityName	X.520		x		x
organizationName	X.520	x			x
organizationalUnitName	X.520	x			x
presentationAddress	X.520	x		x	

Object Class	Source	Implementation		Data Population	
		Mand.	Opt.	Mand.	Opt.
seeAlso	X.520		x		x
supportedApplicationContext	X.520		x		x
<b>applicationProcess</b>	<b>X.521</b>	<b>x</b>			
commonName	X.520	x		x	
description	X.520	x			x
localityName	X.520		x		x
organizationalUnitName	X.520	x			x
seeAlso	X.520		x		x
<b>ansiOrgObject</b>	<b>NADF</b>		<b>x</b>		
ansiOrgNumericCode	NADF	x		x	
<b>caProvinceOrTerritory</b>	<b>NADF</b>		<b>x</b>		
description	X.520	x			x
localityName	X.520	x		x	
multiMedialInformation	X.520	x			x
searchGuide	X.520	x			x
supportedApplicationContext	X.520	x			x
nadfSearchGuide	NADF	x			x
seeAlso	NADF	x			x
stateOrProvinceName	NADF	x		x	
streetAddress	NADF	x			x
lastModifiedTime	RFC1274	x		x	
<b>govt-certificationAuthority (subclass of X.521 certificationAuthority)</b>	<b>US Govt</b>	<b>x</b>			
authorityRevocationList	X.520	x		x	
cACertificate	X.520	x		x	
certificateRevocationList	X.520	x		x	
commonName	X.520	x			x
crossCertificatePair	X.520	x			
description	X.520	x			x
destinationIndicator	X.520	x			x
facsimileTelephoneNumber	X.520	x			x
localityName	X.520	x			x

Object Class	Source	Implementation		Data Population	
		Mand.	Opt.	Mand.	Opt.
organizationalUnitName	X.520	x			x
physicalDeliveryOfficeName	X.520	x			x
postOfficeBox	X.520	x			x
postalAddress	X.520	x			x
preferredDeliveryMethod	X.520	x			x
registeredAddress	X.520	x			x
roleOccupant	X.520	x			x
seeAlso	X.520	x			x
stateOrProvinceName	X.520	x			x
streetAddress	X.520	x			x
teletexTerminalIdentifier	X.520	x			x
telexNumber	X.520	x			x
x121Address	X.520	x			x
algorithmsSupported	SDN.702		x		x
aprUKMS	SDN.702		x		x
augUKMS	SDN.702		x		x
auxiliaryVector	SDN.702		x		x
decUKMS	SDN.702		x		x
febUKMS	SDN.702		x		x
guard	SDN.702		x		x
janUKMS	SDN.702		x		x
julUKMS	SDN.702		x		x
junUKMS	SDN.702		x		x
marUKMS	SDN.702		x		x
mayUKMS	SDN.702		x		x
mosaicCertificateRevocationList	SDN.702		x		x
mosaicKeyManagementCertificate	SDN.702		x		x
mosaicKMandSigCertificate	SDN.702		x		x
MosaicKRL	SDN.702		x		x
mosaicUserSignatureCertificate	SDN.702		x		x
novUKMS	SDN.702		x		x

Object Class	Source	Implementation		Data Population	
		Mand.	Opt.	Mand.	Opt.
octUKMS	SDN.702		x		x
sdnsCASignatureCertificate	SDN.702		x		x
sdnsCertificateRevocationList	SDN.702		x		x
sdnsKeyManagementCertificate	SDN.702		x		x
sdnsKMandSigCertificate	SDN.702		x		x
sdnsUserSignatureCertificate	SDN.702		x		x
sepUKMS	SDN.702		x		x
suiteAKeyManagementCertificate	SDN.702		x		x
suiteAKMandSigCertificate	SDN.702		x		x
suiteAUserSignatureCertificate	SDN.702		x		x
aliasPointer	DMS		x		x
alternateRecipient	DMS		x		x
backPointers	DMS		x		x
effectiveDate	DMS		x		x
expirationDate	DMS		x		x
listPointer	DMS		x		x
minimize	DMS		x		x
nationality	DMS		x		x
preferredDelivery	DMS		x		x
mhs-deliverable-content-length	X.402		x		x
mhs-deliverable-eits	X.402		x		x
mhs-message-store-dn	X.402		x		x
mhs-or-addresses	X.402		x		x
mhsPreferredDeliveryMethods	X.402		x		x
mhs-deliverable-content-types	X.402		x		x
rfc822Mailbox	COS INE		x		x
<b>ca-mosaic</b>	<b>SDN.702</b>		<b>x</b>		
mosaicCertificateRevocationList	SDN.702	x			x
mosaicKMandSigCertificate	SDN.702	x			x
MosaicKRL	SDN.702	x			x
mosaicUserSignatureCertificate	SDN.702	x			x

Object Class	Source	Implementation		Data Population	
		Mand.	Opt.	Mand.	Opt.
<b>ca-sdns</b>					
	<b>SDN.702</b>	<b>x</b>			
sdnsCASignatureCertificate	SDN.702	x			x
sdnsCertificateRevocationList	SDN.702	x			x
sdnsKMandSigCertificate	SDN.702	x			x
<b>cadPLA</b>					
	<b>DMS</b>	<b>x</b>			
associatedML	DMS	x			x
cognizantAuthority	DMS	x			x
community	DMS	x			x
effectiveDate	DMS	x			x
entryClassification	DMS	x			x
expirationDate	DMS	x			x
nationality	DMS	x			x
plaName	DMS	x			x
publish	DMS	x			x
recapDueDate	DMS	x			x
remarks	DMS	x			x
rlInfo	DMS	x			x
serviceOrAgency	DMS	x			x
<b>govt-computer</b>					
<b>(subclass of DMS computer)</b>					
	<b>US Govt</b>	<b>x</b>			
commonName	X.520	x		x	
description	X.520	x			x
organizationName	X.520	x			x
organizationalUnitName	X.520	x			x
owner	X.520	x			x
seeAlso	X.520	x			x
serialNumber	X.520	x			x
effectiveDate	DMS	x			x
expirationDate	DMS	x			x
<b>country</b>					
	<b>X.521</b>	<b>x</b>			
countryName	X.520	x		x	
description	X.520		x		x

Object Class	Source	Implementation		Data Population	
		Mand.	Opt.	Mand.	Opt.
searchGuide	X.520		x		x
<b>device</b>	<b>X.521</b>	<b>x</b>			
commonName	X.520	x		x	
description	X.520	x			x
localityName	X.520		x		x
organizationName	X.520	x			x
organizationalUnitName	X.520	x			x
owner	X.520	x			x
seeAlso	X.520		x		x
serialNumber	X.520		x		x
<b>Directory System Agent SDNS</b>	<b>SDN.702</b>	<b>x</b>			
commonName	X.520	x		x	
description	X.520	x			x
knowledgeInformation	X.520	x			x
localityName	X.520	x			x
organizationName	X.520	x			x
organizationalUnitName	X.520	x			x
presentationAddress	X.520	x		x	
seeAlso	X.520	x			x
supportedApplicationContext	X.520	x			x
mosaicKmandSigCertificate	SDN.702	x			x
sdnsUserSignatureCertificate	SDN.702	x			x
<b>distributionList</b>	<b>X.4xx</b>		<b>x</b>		
commonName	X.402	x		x	
description	X.402	x			x
mhs-deliverable-content-types	X.402	x			x
mhs-deliverable-eits	X.402	x			x
mhs-dl-members	X.402	x			x
mhs-dl-submit-permissions	X.402	x			x
mhs-or-addresses	X.402	x			x
mhsPreferredDeliveryMethods	X.402	x			x



Object Class	Source	Implementation		Data Population	
		Mand.	Opt.	Mand.	Opt.
Organization	X.402	x			x
organizationalUnitName	X.402	x			x
owner	X.402	x			x
seeAlso	X.402	x			x
dIDynamicExclusions	X.4xx	x			x
dIDynamicMembers	X.4xx	x			x
dIErrorstoName	X.4xx	x			x
dIPolicy	X.4xx	x			x
<b>distinguishedNameTableEntry</b>	<b>X.4xx</b>		x		
description	X.4xx	x			x
distinguishedNameTableKey	X.4xx	x		x	
<b>documentSeries</b>	<b>RFC 1274</b>	x			
commonName	X.520	x		x	
description	X.520	x			x
localityName	X.520		x		x
organizationName	X.520		x		x
organizationalUnitName	X.520		x		x
seeAlso	X.520		x		x
telephoneNumber	X.520		x		x
<b>dSA</b>	<b>X.521</b>	x			
commonName	X.520	x		x	
description	X.520	x			x
knowledgeInformation	X.520		x		x
localityName	X.520		x		x
organizationName	X.520	x			x
organizationalUnitName	X.520	x			x
presentationAddress	X.520	x		x	
seeAlso	X.520		x		x
supportedApplicationContext	X.520	x			x
<b>dsa-mosaic</b>	<b>SDN.702</b>	x			
commonName	X.520	x		x	

Object Class	Source	Implementation		Data Population	
		Mand.	Opt.	Mand.	Opt.
description	X.520	x			x
knowledgeInformation	X.520	x			x
localityName	X.520	x			x
organizationName	X.520	x			x
organizationalUnitName	X.520	x			x
presentationAddress	X.520	x		x	
seeAlso	X.520	x			x
supportedApplicationContext	X.520	x			x
mosaicKMandSigCertificate	SDN.702	x			x
mosaicUserSignatureCertificate	SDN.702	x			x
<b>dNSDomain</b>	<b>RFC 1148</b>		x		
associatedName	RFC 1274	x			x
domainComponent	RFC 1274	x		x	
businessCategory	X.520	x			x
description	X.520	x			x
destinationIndicator	X.520	x			x
facsimileNumber	X.520	x			x
internationalISDNNumber	X.520	x			x
localityName	X.520	x			x
organizationName	X.520	x			x
physicalDeliveryOfficeName	X.520	x			x
postOfficeBox	X.520	x			x
postalAddress	X.520	x			x
postalCode	X.520	x			x
preferredDeliveryMethod	X.520	x			x
registeredAddress	X.520	x			x
searchGuide	X.520	x			x
seeAlso	X.520	x			x
stateOrProvinceName	X.520	x			x
streetAddress	X.520	x			x
telephoneNumber	X.520	x			x



Object Class	Source	Implementation		Data Population	
		Mand.	Opt.	Mand.	Opt.
teletexTerminalIdentifier	X.520	x			x
telexNumber	X.520	x			x
userPassword	X.520	x			x
x121Address	X.520	x			x
dNSRecord	RFC 1148	x		x	
<b>domain</b>	<b>RFC 1274</b>		<b>x</b>		
associatedName	RFC 1274	x			x
domainComponent	RFC 1274	x		x	
businessCategory	X.520	x			x
description	X.520	x			x
destinationIndicator	X.520	x			x
facsimileNumber	X.520	x			x
internationalISDNNumber	X.520	x			x
localityName	X.520	x			x
organizationName	X.520	x			x
physicalDeliveryOfficeName	X.520	x			x
postOfficeBox	X.520	x			x
postalAddress	X.520	x			x
postalCode	X.520	x			x
preferredDeliveryMethod	X.520	x			x
registeredAddress	X.520	x			x
searchGuide	X.520	x			x
seeAlso	X.520	x			x
stateOrProvinceName	X.520	x			x
streetAddress	X.520	x			x
telephoneNumber	X.520	x			x
teletexTerminalIdentifier	X.520	x			x
telexNumber	X.520	x			x
userPassword	X.520	x			x
x121Address	X.520	x			x
<b>domainRelatedObject</b>	<b>RFC 1274</b>		<b>x</b>		

Object Class	Source	Implementation		Data Population	
		Mand.	Opt.	Mand.	Opt.
associatedDomain	RFC 1274	x		x	
<b>fips55Object</b>	<b>NADF</b>		<b>x</b>		
fipsPlaceNumericCode	NADF	x		x	
stateOrProvinceName	X.520	x			x
<b>friendlyCountry</b>	<b>RFC 1274</b>		<b>x</b>		
countryName	X.520	x		x	
description	X.520	x			x
searchGuide	X.520	x			x
friendlyCountryName	RFC 1274	x		x	
<b>edi-message-store</b>	<b>X.435</b>		<b>x</b>		
commonName	X.520	x			x
description	X.520	x			x
localityName	X.520	x			x
organizationName	X.520	x			x
organizationalUnitName	X.520	x			x
presentationAddress	X.520	x			x
seeAlso	X.520	x			x
supportedApplicationContext	X.520	x			x
owner	X.402	x			x
mhs-deliverable-content-length	X.402	x			x
mhs-deliverable-content-types	X.402	x			x
mhs-deliverable-eits	X.402	x			x
mhs-or-addresses	X.402	x			x
edi-capabilities	X.435	x			x
<b>edi-user</b>	<b>X.435</b>		<b>x</b>		
edi-capabilities	X.435	x			x
edi-name	X.435	x			x
edi-routing-address	X.435	x			x
<b>edi-user-agent</b>	<b>X.435</b>		<b>x</b>		
commonName	X.520	x			x
description	X.520	x			x

Object Class	Source	Implementation		Data Population	
		Mand.	Opt.	Mand.	Opt.
localityName	X.520	x			x
organizationName	X.520	x			x
organizationalUnitName	X.520	x			x
presentationAddress	X.520	x			x
seeAlso	X.520	x			x
supportedApplicationContext	X.520	x			x
description	X.402	x			x
edi-capabilities	X.402	x			x
mhs-supported-automatic-actions	X.402	x			x
mhs-supported-content-types	X.402	x			x
mhs-supported-optional-attributes	X.402	x			x
owner	X.435	x			x
<b>groupOfNames</b>	<b>X.521</b>	<b>x</b>			
businessCategory	X.520	x			x
commonName	X.520	x		x	
member	X.520	x		x	
description	X.520	x			x
organizationName	X.520	x			x
organizationalUnitName	X.520	x			x
owner	X.520	x			x
seeAlso	X.520		x		x
<b>listUA</b>	<b>X.4xx</b>		<b>x</b>		
accessMD	X.4xx	x			x
badAddressSearchAttributes	X.4xx	x			x
badAddressSearchPoint	X.4xx	x			x
distributionListName	X.4xx	x		x	
filteredRedirect	X.4xx	x			x
mandatoryRedirect	X.4xx	x			x
mhs-deliverable-content-length	X.4xx	x			x
mhs-deliverable-content-types	X.4xx	x			x
mhs-deliverable-eits	X.4xx	x			x

Object Class	Source	Implementation		Data Population	
		Mand.	Opt.	Mand.	Opt.
mhs-message-store-name	X.4xx	x			x
mhsPreferredDeliveryMethods	X.4xx	x			x
mTAInfo	X.4xx	x			x
nonDeliveryInfo	X.4xx	x			x
routingFailureAction	X.4xx	x			x
routingFilter	X.4xx	x			x
subtreeInformation	X.4xx	x			x
supportedExtensions	X.4xx	x			x
supportingMta	X.4xx	x			x
userName	X.4xx	x			x
<b>locality</b>	<b>X.521</b>	<b>x</b>			
description	X.520		x		x
localityName	X.520	x			x
searchGuide	X.520		x		x
seeAlso	X.520		x		x
stateOrProvinceName	X.520	x			x
streetAddress	X.520	x			x
<b>govt-mL (subclass of DMS mL)</b>	<b>US Govt</b>		<b>x</b>		
algorithmsSupported	SDN.702	x			x
aprUKMS	SDN.702	x			x
augUKMS	SDN.702	x			x
auxiliaryVector	SDN.702	x			x
decUKMS	SDN.702	x			x
febUKMS	SDN.702	x			x
guard	SDN.702	x			x
janUKMS	SDN.702	x			x
julUKMS	SDN.702	x			x
junUKMS	SDN.702	x			x
mIAdministrators	SDN.702	x			x
mIExemptedAddressProcessor	SDN.702	x			x
mIid	SDN.702	x			x

Object Class	Source	Implementation		Data Population	
		Mand.	Opt.	Mand.	Opt.
mlMembership	SDN.702	x			x
mlReceiptPolicy	SDN.702	x			x
marUKMS	SDN.702	x			x
mayUKMS	SDN.702	x			x
mosaicKeyManagementCertificate	SDN.702	x			x
mosaicKMandSigCertificate	SDN.702	x			x
mosaicUserSignatureCertificate	SDN.702	x			x
novUKMS	SDN.702	x			x
octUKMS	SDN.702	x			x
sdnsKeyManagementCertificate	SDN.702	x			x
sdnsKMandSigCertificate	SDN.702	x			x
sdnsUserSignatureCertificate	SDN.702	x			x
sepUKMS	SDN.702	x			x
suiteAKeyManagementCertificate	SDN.702	x			x
suiteAKMandSigCertificate	SDN.702	x			x
suiteAUserSignatureCertificate	SDN.702	x			x
commonName	X.520	x		x	
aliasPointer	DMS	x			x
alternateRecipient	DMS	x			x
description	DMS	x			x
effectiveDate	DMS	x			x
expirationDate	DMS	x			x
listPointer	DMS	x			x
mlType	DMS	x			x
nDNPolicy	DMS	x			x
mhs-dl-submit-permissions	X.402	x		x	
mhs-or-addresses	X.402	x			x
rfc822Mailbox	RFC1274	x			x
<b>govt-mail-list (subclass of SDN.702 mail-list)</b>	<b>US Govt</b>		<b>x</b>		
mhs-deliverable-content-length	X.402	x			x
mhs-deliverable-content-types	X.402	x			x

Object Class	Source	Implementation		Data Population	
		Mand.	Opt.	Mand.	Opt.
mhs-deliverable-eits	X.402	x			x
mhs-dl-submit-permissions	X.402	x			x
mhs-message-store-dn	X.402	x			x
mhs-or-addresses	X.402	x			x
mhsPreferredDeliveryMethods	X.402	x			x
algorithmsSupported	SDN.702	x			x
auxiliaryVector	SDN.702	x			x
guard	SDN.702	x			x
mAdministrators	SDN.702	x			x
mExemptedAddressProcessor	SDN.702	x			x
mlid	SDN.702	x			x
mlMembership	SDN.702	x			x
mlReceiptPolicy	SDN.702	x			x
mosaicKeyManagementCertificate	SDN.702	x			x
mosaicKmandSigCertificate	SDN.702	x			x
mosaicUserSignatureCertificate	SDN.702	x			x
commonName	X.520	x			x
alternateRecipient	DMS	x			x
backpointers	DMS	x			x
nDNPolicy	DMS	x			x
<b>govt-msp-user-mosaic</b> <b>(subclass of SDN.702 msp-user-mosaic)</b>	<b>US Govt</b>		<b>x</b>		
algorithmsSupported	SDN.702	x			x
auxiliaryVector	SDN.702	x			x
guard	SDN.702	x			x
mosaicKeyManagementCertificate	SDN.702	x			x
mosaicKmandSigCertificate	SDN.702	x			x
mosaicUserSignatureCertificate	SDN.702	x			x
<b>mLA</b> <b>(subclass of DMS mLA)</b>	<b>DMS</b>		<b>x</b>		
commonName	X.520	x		x	
description	X.520	x			x



Object Class	Source	Implementation		Data Population	
		Mand.	Opt.	Mand.	Opt.
localityName	X.520	x			x
organizationName	X.520	x			x
organizationalUnitName	X.520	x			x
presentationAddress	X.520	x		x	
seeAlso	X.520	x			x
supportedApplicationContext	X.520	x			x
mosaicUserSignatureCertificate	SDN.702	x			x
sdnsUserSignatureCertificate	SDN.702	x			x
effectiveDate	DMS	x			x
expirationDate	DMS	x			x
<b>messagingOrganizationalUnit (subclass of DMS messagingOrganizationalUnit)</b>	<b>US Govt</b>		x		
businessCategory	X.520	x			x
description	X.520	x			x
destinationIndicator	X.520	x			x
facsimileTelephoneNumber	X.520	x			x
internationalISDNNumber	X.520	x			x
localityName	X.520	x			x
organizationalUnitName	X.520	x		x	
physicalDeliveryOfficeName	X.520	x			x
postOfficeBox	X.520	x			x
postalAddress	X.520	x			x
preferredDeliveryMethod	X.520	x			x
registeredAddress	X.520	x			x
searchGuide	X.520	x			x
seeAlso	X.520	x			x
stateOrProvinceName	X.520	x			x
streetAddress	X.520	x			x
streetAddress	X.520	x			x
telephoneNumber	X.520	x			x
teletexTerminalIdentifier	X.520	x			x
telexNumber	X.520	x			x



Object Class	Source	Implementation		Data Population	
		Mand.	Opt.	Mand.	Opt.
userPassword	X.520	x			x
x121Address	X.520	x			x
algorithmsSupported	SDN.702	x			x
aprUKMS	SDN.702	x			x
augUKMS	SDN.702	x			x
auxiliaryVector	SDN.702	x			x
decUKMS	SDN.702	x			x
febUKMS	SDN.702	x			x
guard	SDN.702	x			x
janUKMS	SDN.702	x			x
julUKMS	SDN.702	x			x
junUKMS	SDN.702	x			x
marUKMS	SDN.702	x			x
mayUKMS	SDN.702	x			x
mosaicKeyManagementCertificate	SDN.702	x			x
mosaicKMandSigCertificate	SDN.702	x			x
mosaicUserSignatureCertificate	SDN.702	x			x
novUKMS	SDN.702	x			x
octUKMS	SDN.702	x			x
sdnsKeyManagementCertificate	SDN.702	x			x
sdnsKMandSigCertificate	SDN.702	x			x
sdnsUserSignatureCertificate	SDN.702	x			x
sepUKMS	SDN.702	x			x
suiteAKeyManagementCertificate	SDN.702	x			x
suiteAKMandSigCertificate	SDN.702	x			x
suiteAUserSignatureCertificate	SDN.702	x			x
aliasPointer	DMS	x			x
alternateRecipient	DMS	x			x
associatedPLA	DMS	x			x
effectiveDate	DMS	x			x
expirationDate	DMS	x			x

Object Class	Source	Implementation		Data Population	
		Mand.	Opt.	Mand.	Opt.
listPointer	DMS	x			x
minimize	DMS	x			x
nationality	DMS	x			x
preferredDelivery	DMS	x			x
mhs-deliverable-content-length	X.402	x			x
mhs-deliverable-eits	X.402	x			x
mhs-message-store-dn	X.402	x			x
mhs-or-addresses	X.402	x			x
mhs-deliverable-content-types	X.402	x			x
mhsUndeliverableEITS	x.402	x			x
rfc822Mailbox	RFC1274	x			x
<b>mhsCountry</b>	<b>X.4xx</b>		<b>x</b>		
countryName	X.520	x			x
description	X.520	x			x
searchGuide	X.520	x			x
nHSNumericCountryName	X.4xx	x			x
<b>mHSDomainDefinedAttribute</b>	<b>X.4xx</b>		<b>x</b>		
mHS-DDA-Type	X.4xx	x		x	
mHS-DDA-Value	X.4xx	x		x	
<b>mhsDistributionList</b>	<b>X.402</b>		<b>x</b>		
commonName	X.402	x		x	
description	X.402	x			x
mhs-deliverable-content-types	X.402	x			x
mhs-deliverable-eits	X.402	x			x
mhs-dl-members	X.402	x			x
mhs-dl-submit-permissions	X.402	x		x	
mhs-or-addresses	X.402	x		x	
mhsPreferredDeliveryMethods	X.402	x			x
organizationName	X.402	x			x
organizationalUnitName	X.402	x			x
owner	X.402	x			x

Object Class	Source	Implementation		Data Population	
		Mand.	Opt.	Mand.	Opt.
seeAlso	X.402	x			x
<b>mhs-message-store-dn</b> (subclass of X.402 mhs-message-store-dn)	<b>US Govt</b>		<b>x</b>		
commonName	X.520	x		x	x
description	X.520	x			x
localityName	X.520	x			x
organizationName	X.520	x			x
organizationalUnitName	X.520	x			x
presentationAddress	X.520	x		x	x
seeAlso	X.520	x			x
supportedApplicationContext	X.520	x			x
owner	X.402	x			x
mhs-supported-automatic-actions	X.402	x			x
mhs-supported-content-types	X.402	x			x
mhs-supported-optional-attributes	X.402	x			x
effectiveDate	SDN.702		x		x
expirationDate	SDN.702		x		x
mosaicUserSignatureCertificate	SDN.702		x		x
sdnsUserSignatureCertificate	SDN.702		x		x
<b>mhsMessageTransferAgent</b> (subclass of X.402 mhsMessageTransferAgent)	<b>US Govt</b>		<b>x</b>		
commonName	X.520	x		x	
description	X.520	x			x
localityName	X.520	x			x
organizationName	X.520	x			x
organizationalUnitName	X.520	x			x
presentationAddress	X.520	x		x	
seeAlso	X.520	x			x
supportedApplicationContext	X.520	x			x
mhs-deliverable-content-length	X.402	x			x
owner	X.402	x			x
effectiveDate	SDN.702		x		x

Object Class	Source	Implementation		Data Population	
		Mand.	Opt.	Mand.	Opt.
expirationDate	SDN.702		x		x
mosaicUserSignatureCertificate	SDN.702		x		x
sdnsUserSignatureCertificate	SDN.702		x		x
<b>mHSNamedObject</b>	<b>X.4xx</b>		<b>x</b>		
mhsCommonName	X.4xx	x			x
<b>mHSNumericUserIdentification</b>	<b>X.4xx</b>		<b>x</b>		
mHSNumericUserIdentifierName	X.4xx	x			x
<b>mHSOrganization</b>	<b>X.4xx</b>		<b>x</b>		
mHS-O	X.4xx	x		x	
<b>mHSOrganizationalUnit</b>	<b>X.4xx</b>		<b>x</b>		
mHS-OU	X.4xx	x		x	
<b>mHSPerson</b>	<b>X.4xx</b>		<b>x</b>		
mHSGenerationalQualifier	X.4xx	x			x
mHSGivenName	X.4xx	x			x
mHSInitials	X.4xx	x			x
mHSSurname	X.4xx	x		x	
<b>mHSTerminalID</b>	<b>X.4xx</b>		<b>x</b>		
mHSTerminalIDName	X.4xx	x		x	
<b>mhsUserAgent</b>	<b>X.402</b>		<b>x</b>		
commonName	X.520	x		x	
presentationAddress	X.520	x		x	
description	X.520	x			x
localityName	X.520	x			x
organizationName	X.520	x			x
organizationalUnitName	X.520	x			x
seeAlso	X.520	x			x
supportedApplicationContext	X.520	x			x
owner	X.402	x			x
mhs-deliverable-content-length	X.402	x			x
mhs-deliverable-content-types	X.402	x			x
mhs-deliverable-eits	X.402	x			x

Object Class	Source	Implementation		Data Population	
		Mand.	Opt.	Mand.	Opt.
mhs-or-addresses	X.402	x			x
mhsUndeliverableEITS	X.402	x			x
<b>mhs-user</b>	<b>X.402</b>	<b>x</b>			
mhs-deliverable-content-length	X.402		x		x
mhs-deliverable-content-types	X.402		x		x
mhs-deliverable-eits	X.402		x		x
mhs-message-store-dn	X.402		x		x
mhs-or-addresses	X.402	x		x	
mhsPreferredDeliveryMethods	X.402		x		x
<b>mHSX121</b>	<b>X.4xx</b>		<b>x</b>		
mHSX121Address	X.4xx	x			x
<b>govt-msp-user-sdns (subclass of SDN.702 msp-user-sdns)</b>	<b>US Govt</b>		<b>x</b>		
algorithmsSupported	SDN.702	x			x
aprUKMS	SDN.702	x			x
augUKMS	SDN.702	x			x
auxiliaryVector	SDN.702	x			x
decUKMS	SDN.702	x			x
febUKMS	SDN.702	x			x
guard	SDN.702	x			x
janUKMS	SDN.702	x			x
julUKMS	SDN.702	x			x
junUKMS	SDN.702	x			x
marUKMS	SDN.702	x			x
mayUKMS	SDN.702	x			x
novUKMS	SDN.702	x			x
octUKMS	SDN.702	x			x
sdnsKeyManagementCertificate	SDN.702	x			x
sdnsKMandSigCertificate	SDN.702	x			x
sdnsUserSignatureCertificate	SDN.702	x			x
sepUKMS	SDN.702	x			x
suiteAKeyManagementCertificate	SDN.702	x			x

Object Class	Source	Implementation		Data Population	
		Mand.	Opt.	Mand.	Opt.
suiteAKMandSigCertificate	SDN.702	x			x
suiteAUserSignatureCertificate	SDN.702	x			x
<b>govt-mTA</b> <b>(subclass of X.4XX mTA)</b>	<b>US GOVT</b>		<b>x</b>		
commonName	X.520	x		x	
description	X.520	x			x
localityName	X.520	x			x
organizationName	X.520	x			x
organizationalUnitName	X.520	x			x
presentationAddress	X.520	x		x	
seeAlso	X.520	x			x
supportedApplicationContext	X.520	x			x
mhs-deliverable-content-length	X.402	x			x
owner	X.402	x			x
effectiveDate	SDN.702		x		x
expirationDate	SDN.702		x		x
mosaicUserSignatureCertificate	SDN.702		x		x
sdnsUserSignatureCertificate	SDN.702		x		x
bilateralTable	X.4xx	x			x
callingPresentationAddress	X.4xx	x			x
callingSelectorValidity	X.4xx	x			x
globalDomainID	X.4xx	x			x
initiatingRTSCredentials	X.4xx	x			x
initiatorAuthenticationRequirements	X.4xx	x			x
initiatorP1Mode	X.4xx	x			x
initiatorPullingAuthenticationRequirements	X.4xx	x			x
mTAName	X.4xx	x			x
mTAsAllowedToPoll	X.4xx	x			x
mTAWillRoute	X.4xx	x			x
polledMTAs	X.4xx	x			x
protocolInformation	X.4xx	x			x
responderAuthenticationRequirements	X.4xx	x			x

Object Class	Source	Implementation		Data Population	
		Mand.	Opt.	Mand.	Opt.
responderP1Mode	X.4xx	x			x
responderPullingAuthenticationRequirements	X.4xx	x			x
respondingRTSCredentials	X.4xx	x			x
routingTreeList	X.4xx	x			x
supportedMTSExtentions	X.4xx	x			x
transportCommunity	X.4xx	x			x
<b>govt-mTAAApplicationProcess</b> (subclass of X.4xx mTAAApplicationProcess)	<b>US Govt</b>		<b>x</b>		
commonName	X.520	x		x	
description	X.520	x			x
localityName	X.520	x			x
organizationalUnitName	X.520	x			x
seeAlso	X.520	x			x
accessMD	X.4xx	x			x
accessUnitsUsed	X.4xx	x			x
globalDomainID	X.4xx	x			x
localAccessUnit	X.4xx	x			x
mTAWillRoute	X.4xx	x			x
routingTreeList	X.4xx	x			x
<b>govt-mTABilateralTableEntry</b> (subclass of X.4xx mTABilateralTableEntry)	<b>US Govt</b>		<b>x</b>		
commonName	X.520	x		x	
description	X.520	x			x
localityName	X.520	x			x
organizationName	X.520	x			x
organizationalUnitName	X.520	x			x
presentationAddress	X.520	x		x	
seeAlso	X.520	x			x
supportedApplicationContext	X.520	x			x
mhs-deliverable-content-length	X.402	x			x
owner	X.402	x			x
effectiveDate	SDN.702		x		x



Object Class	Source	Implementation		Data Population	
		Mand.	Opt.	Mand.	Opt.
expirationDate	SDN.702		x		x
mosaicUserSignatureCertificate	SDN.702		x		x
sdnsUserSignatureCertificate	SDN.702		x		x
bilateralTable	X.4xx	x			x
callingPresentationAddress	X.4xx	x			x
callingSelectorValidity	X.4xx	x			x
distinguishedNameTableKey	X.4xx	x		x	
globalDomainID	X.4xx	x			x
initiatingRTSCredentials	X.4xx	x			x
initiatorAuthenticationRequirements	X.4xx	x			x
initiatorP1Mode	X.4xx	x			x
initiatorPullingAuthenticationRequirements	X.4xx	x			x
mTAName	X.4xx	x			x
mTAsAllowedToPoll	X.4xx	x			x
mTAWillRoute	X.4xx	x			x
polledMTAs	X.4xx	x			x
protocolInformation	X.4xx	x			x
responderAuthenticationRequirements	X.4xx	x			x
responderP1Mode	X.4xx	x			x
responderPullingAuthenticationRequirements	X.4xx	x			x
respondingRTSCredentials	X.4xx	x			x
routingTreeList	X.4xx	x			x
supportedMTSExtensions	X.4xx	x			x
transportCommunity	X.4xx	x			x
<b>mFI</b> <b>(subclass of DMS mFI)</b>	<b>US Govt</b>		<b>x</b>		
commonName	X.520	x		x	
description	X.520	x			x
localityName	X.520	x			x
organizationName	X.520	x			x
organizationalUnitName	X.520	x			x
presentationAddress	X.520	x		x	

Object Class	Source	Implementation		Data Population	
		Mand.	Opt.	Mand.	Opt.
seeAlso	X.520	x			x
supportedApplicationContext	X.520	x			x
algorithmsSupported	SDN.702	x			x
aprUKMS	SDN.702	x			x
augUKMS	SDN.702	x			x
auxiliaryVector	SDN.702	x			x
decUKMS	SDN.702	x			x
febUKMS	SDN.702	x			x
guard	SDN.702	x			x
janUKMS	SDN.702	x			x
julUKMS	SDN.702	x			x
junUKMS	SDN.702	x			x
marUKMS	SDN.702	x			x
mayUKMS	SDN.702	x			x
mosaicKeyManagementCertificate	SDN.702	x			x
mosaicKMandSigCertificate	SDN.702	x			x
mosaicUserSignatureCertificate	SDN.702	x			x
novUKMS	SDN.702	x			x
octUKMS	SDN.702	x			x
sdnsKeyManagementCertificate	SDN.702	x			x
sdnsKMandSigCertificate	SDN.702	x			x
sdnsUserSignatureCertificate	SDN.702	x			x
sepUKMS	SDN.702	x			x
suiteAKeyManagementCertificate	SDN.702	x			x
suiteAKMandSigCertificate	SDN.702	x			x
suiteAUserSignatureCertificate	SDN.702	x			x
mhs-or-addresses	X.402	x			x
rfc822Mailbox	RFC1274	x			x
effectiveDate	DMS	x			x
expirationDate	DMS	x			x
host	RFC 1274	x			x

Object Class	Source	Implementation		Data Population	
		Mand.	Opt.	Mand.	Opt.
<b>nadfADDMD</b>	<b>NADF</b>	<b>x</b>			
businessCategory	X.520	x			x
description	X.520	x			x
destinationIndicator	X.520	x			x
facsimileTelephoneNumber	X.520	x			x
internationalISDNNumber	X.520	x			x
localityName	X.520	x			x
organizationName	X.520	x		x	
physicalDeliveryOfficeName	X.520	x			x
postOfficeBox	X.520	x			x
postalAddress	X.520	x			x
preferredDeliveryMethod	X.520	x			x
registeredAddress	X.520	x			x
searchGuide	X.520	x			x
seeAlso	X.520	x			x
stateOrProvinceName	X.520	x			x
streetAddress	X.520	x			x
telephoneNumber	X.520	x			x
teletexTerminalIdentifier	X.520	x			x
telexNumber	X.520	x			x
userPassword	X.520	x			x
x121Address	X.520	x			x
addmdName	NADF	x		x	
multiMedialInformation	NADF	x			x
nadfSearchGuide	NADF	x			x
supplementaryInformation	NADF	x			x
lastModifiedTime	RFC1274	x		x	
<b>nadfApplicationEntity</b>	<b>NADF</b>	<b>x</b>			
commonName	X.520	x		x	
description	X.520	x			x
localityName	X.520	x			x

Object Class	Source	Implementation		Data Population	
		Mand.	Opt.	Mand.	Opt.
organizationName	X.520	x			x
organizationalUnitName	X.520	x			x
presentationAddress	X.520	x		x	
seeAlso	X.520	x			x
supportedApplicationContext	X.520	x			x
<b>nadfObject</b>	<b>NADF</b>		<b>x</b>		<b>x</b>
lastModifiedTime	RFC1274	x		x	
multiMedialInformation	NADF	x			x
nadfSearchGuide	NADF	x			x
supplementaryInformation	NADF	x			x
<b>nationalObject</b>	<b>NADF</b>		<b>x</b>		
countryName	X.520	x			x
<b>oRAddressComponent</b>	<b>X.4xx</b>		<b>x</b>		
accessMD	X.4xx	x			x
badAddressSearchAttributes	X.4xx	x			x
badAddressSearchPoint	X.4xx	x			x
mTAInfo	X.4xx	x			x
nonDeliveryInfo	X.4xx	x			x
routingFailureAction	X.4xx	x			x
routingFilter	X.4xx	x			x
subtreeInformation	X.4xx	x			x
<b>govt-organization</b> <b>(subclass of X.521 organization)</b>	<b>US GOVT</b>		<b>x</b>		
areaCodesServed	US GOVT	x		x	
hoursOfOperation	US GOVT	x		x	
informationRequestForm	US GOVT	x		x	
organizationChart	US GOVT	x		x	
primaryPOC	US GOVT	x		x	
programList	US GOVT	x		x	
secondaryPOC	US GOVT	x		x	
businessCategory	X.520	x		x	
description	X.520	x		x	

Object Class	Source	Implementation		Data Population	
		Mand.	Opt.	Mand.	Opt.
destinationIndicator	X.520		x		x
facsimileTelephoneNumber	X.520	x		x	
internationalISDNNumber	X.520		x		x
localityName	X.520	x			x
organizationName	X.520	x		x	
physicalDeliveryOfficeName	X.520	x		x	
postalAddress	X.520	x		x	
postalCode	X.520	x		x	
postOfficeBox	X.520	x		x	
preferredDeliveryMethod	X.520		x		x
registeredAddress	X.520		x		x
searchGuide	X.520		x		x
seeAlso	X.520	x			x
stateOrProvinceName	X.520	x		x	
streetAddress	X.520	x		x	
telephoneNumber	X.520	x		x	
teletexTerminalIdentifier	X.520		x		x
telexNumber	X.520		x		x
userPassword	X.520		x		x
x121Address	X.520		x		x
rfc822Mailbox	RFC1274	x			x
roomNumber	RFC1274	x			x
algorithmsSupported	SDN.702		x		x
auxiliaryVector	SDN.702		x		x
guard	SDN.702		x		x
mosaicKeyManagementCertificate	SDN.702		x		x
mosaicUserSignatureCertificate	SDN.702		x		x
mosaicKMSigCertificate	SDN.702		x		x
mhs-deliverable-content-length	X.402		x		x
mhs-deliverable-content-types	X.402		x		x
mhs-deliverable-eits	X.402		x		x

Object Class	Source	Implementation		Data Population	
		Mand.	Opt.	Mand.	Opt.
mhs-message-store-dn	X.402		x		x
mhs-or-addresses	X.402		x		x
mhsPreferredDeliveryMethods	X.402		x		x
mhsUndeliverableEITS	X.402		x		x
alternateRecipient	DMS		x		x
backpointers	DMS		x		x
labeledURL	UMICH		x		x
labeledURI	UMICH		x		x
keywords	PSI	x		x	
<b>govt-organizationalPerson (subclass of X.521 organizationalPerson)</b>	<b>US Govt</b>	<b>x</b>			
keywords	PSI	x			x
businessCategory	X.520	x			x
commonName	X.520	x		x	
description	X.520	x			x
destinationIndicator	X.520		x		x
facsimileTelephoneNumber	X.520	x		x	
internationalISDNNumber	X.520		x		x
localityName	X.520	x		x	
organizationalUnitName	X.520	x		x	
physicalDeliveryOfficeName	X.520	x		x	
postalAddress	X.520	x		x	
postalCode	X.520	x		x	
postOfficeBox	X.520	x		x	
preferredDeliveryMethod	X.520	x		x	
registeredAddress	X.520		x		x
seeAlso	X.520	x			x
stateOrProvinceName	X.520	x		x	
streetAddress	X.520	x		x	
surname	X.520	x		x	
telephoneNumber	X.520	x		x	
teletexTerminalIdentifier	X.520		x		x



Object Class	Source	Implementation		Data Population	
		Mand.	Opt.	Mand.	Opt.
telexNumber	X.520		x		x
title	X.520	x		x	
uniqueIdentifier	X.520		x		x
userPassword	X.520	x			x
x121Address	X.520		x		x
algorithmsSupported	SDN.702		x		x
aprUKMS	SDN.702		x		x
augUKMS	SDN.702		x		x
auxiliaryVector	SDN.702		x		x
decUKMS	SDN.702		x		x
febUKMS	SDN.702		x		x
guard	SDN.702		x		x
janUKMS	SDN.702		x		x
junUKMS	SDN.702		x		x
julUKMS	SDN.702		x		x
marUKMS	SDN.702		x		x
mayUKMS	SDN.702		x		x
mosaicKeyManagementCertificate	SDN.702		x		x
mosaicUserSignatureCertificate	SDN.702		x		x
mosaicKMandSigCertificate	SDN.702		x		x
novUKMS	SDN.702		x		x
octUKMS	SDN.702		x		x
sdnsKeyManagementCertificate	SDN.702		x		x
sdnsKMandSigCertificate	SDN.702		x		x
sdnsUserSignatureCertificate	SDN.702		x		x
sepUKMS	SDN.702		x		x
suiteAKeyManagementCertificate	SDN.702		x		x
suiteAUserSignatureCertificate	SDN.702		x		x
suiteAKMandSigCertificate	SDN.702		x		x
alternateRecipient	DMS		x		x
aliasPointer	DMS		x		x



Object Class	Source	Implementation		Data Population	
		Mand.	Opt.	Mand.	Opt.
backpointers	DMS		x		x
effectiveDate	DMS		x		x
expirationDate	DMS		x		x
listPointer	DMS		x		x
mhsORAddressesWith Capabilities	DMS		x		x
minimize	DMS		x		x
nationality	DMS		x		x
preferredDelivery	DMS		x		x
mhs-deliverable-content-length	X.402		x		x
mhs-deliverable-content-types	X.402		x		x
mhs-deliverable-eits	X.402		x		x
mhs-message-store-dn	X.402		x		x
mhs-or-addresses	X.402	x			x
mhsPreferredDeliveryMethods	X.402		x		x
mhsUndeliverableEITS	X.402		x		x
jpegPhoto	RFC 1274	x			x
lastModifiedTime	RFC1274		x		x
manager	RFC 1274	x			x
photo	RFC 1274	x			x
rfc822Mailbox	RFC1274	x			x
roomNumber	RFC1274		x		x
secretary	RFC 1274	x			x
textEncodedORAddress	RFC1274		x		x
userCertificate	X.509	x			x
generationQualifier	X.520		x		x
givenName	X.520		x		x
initials	X.520		x		x
labeledURI	UMICH		x		x
labeledURL	UMICH		x		x
<b>organizationalPLA</b>	<b>DMS</b>		<b>x</b>		
associatedOrganization	DMS	x			x



Object Class	Source	Implementation		Data Population	
		Mand.	Opt.	Mand.	Opt.
community	DMS	x			x
countryName	DMS	x			x
dodaac	DMS	x			x
dualRoute	DMS	x			x
effectiveDate	DMS	x			x
entryClassification	DMS	x			x
expirationDate	DMS	x			x
localityName	DMS	x			x
longTitle	DMS	x			x
minimize	DMS	x			x
minimizeOverride	DMS	x			x
nameClassification	DMS	x			x
nationality	DMS	x			x
plaNName	DMS	x		x	
publish	DMS	x			x
remarks	DMS	x			x
rl	DMS	x			x
rlInfo	DMS	x			x
section	DMS	x			x
serviceOrAgency	DMS	x			x
stateOrProvinceName	DMS	x			x
tare	DMS	x			x
<b>govt-organizationalRole</b> (subclass of X.521 organizationalRole)	<b>US Govt</b>	<b>x</b>			
commonName	X.520	x		x	
description	X.520	x			x
destinationIndicator	X.520		x		x
facsimileTelephoneNumber	X.520	x			x
localityName	X.520		x		x
internationalISDNNumber	X.520		x		x
stateOrProvinceName	X.520		x		x
streetAddress	X.520		x		x

Object Class	Source	Implementation		Data Population	
		Mand.	Opt.	Mand.	Opt.
organizationalUnitName	X.520	x			x
physicalDeliveryOfficeName	X.520		x		x
postOfficeBox	X.520		x		x
postalAddress	X.520		x		x
postalCode	X.520		x		x
preferredDeliveryMethod	X.520		x		x
registeredAddress	X.520		x		x
roleOccupant	X.520	x			x
seeAlso	X.520	x			x
telephoneNumber	X.520	x		x	
teletexTerminalIdentifier	X.520		x		x
telexNumber	X.520		x		x
x121Address	X.520		x		x
algorithmsSupported	SDN.702		x		x
aprUKMS	SDN.702		x		x
augUKMS	SDN.702		x		x
auxiliaryVector	SDN.702		x		x
decUKMS	SDN.702		x		x
febUKMS	SDN.702		x		x
guard	SDN.702		x		x
janUKMS	SDN.702		x		x
julUKMS	SDN.702		x		x
junUKMS	SDN.702		x		x
marUKMS	SDN.702		x		x
mayUKMS	SDN.702		x		x
mosaicKeyManagementCertificate	SDN.702		x		x
mosaicKmandSigCertificate	SDN.702		x		x
mosaicUserSignatureCertificate	SDN.702		x		x
novUKMS	SDN.702		x		x
octUKMS	SDN.702		x		x
sdnsKeyManagementCertificate	SDN.702		x		x



US Gold

Object Class	Source	Implementation		Data Population	
		Mand.	Opt.	Mand.	Opt.
sdnsKMandSigCertificate	SDN.702		x		x
sdnsUserSignatureCertificate	SDN.702		x		x
sepUKMS	SDN.702		x		x
suiteAKeyManagementCertificate	SDN.702		x		x
suiteAKMandSigCertificate	SDN.702		x		x
suiteAUserSignatureCertificate	SDN.702		x		x
aliasPointer	DMS		x		x
alternateRecipient	DMS		x		x
backpointers	DMS		x		x
effectiveDate	DMS		x		x
expirationDate	DMS		x		x
listPointer	DMS		x		x
mhsORAddressesWithCapabilities	DMS		x		x
minimize	DMS		x		x
nationality	DMS		x		x
preferredDelivery	DMS		x		x
mhs-deliverable-content-length	X.402		x		x
mhs-deliverable-content-types	X.402		x		x
mhs-deliverable-eits	X.402		x		x
mhs-message-store-dn	X.402		x		x
mhs-or-addresses	X.402	x			x
mhsPreferredDeliveryMethods	X.402		x		x
mhsUndeliverableEITS	X.402		x		x
rfc822Mailbox	RFC1274	x			x
labeledURI	UMICH		x		x
labeledURL	UMICH		x		x
<b>govt-organizationalUnit (subclass of X.521 organizationalUnit)</b>	<b>US Govt</b>		<b>x</b>		
areaCodesServed	US GOVT	x		x	
hoursOfOperation	US GOVT	x		x	
informationRequestForm	US GOVT	x		x	

Object Class	Source	Implementation		Data Population	
		Mand.	Opt.	Mand.	Opt.
organizationChart	US GOVT	x		x	
primaryPOC	US GOVT	x		x	
programList	US GOVT	x		x	
secondaryPOC	US GOVT	x		x	
businessCategory	X.520	x		x	
description	X.520	x		x	
destinationIndicator	X.520		x		x
facsimileTelephoneNumber	X.520	x		x	
internationalISDNNumber	X.520		x		x
localityName	X.520	x			x
organizationalUnitName	X.520	x		x	
physicalDeliveryOfficeName	X.520	x		x	
postalAddress	X.520	x		x	
postalCode	X.520	x		x	
postOfficeBox	X.520	x		x	
preferredDeliveryMethod	X.520		x		x
registeredAddress	X.520		x		x
searchGuide	X.520		x		x
seeAlso	X.520	x			x
stateOrProvinceName	X.520	x		x	
streetAddress	X.520	x		x	
telephoneNumber	X.520	x		x	
teletexTerminalIdentifier	X.520		x		x
telexNumber	X.520		x		x
userPassword	X.520		x		x
x121Address	X.520		x		x
rfc822Mailbox	RFC1274	x			x
roomNumber	RFC1274	x			x
algorithmsSupported	SDN.702		x		x
auxiliaryVector	SDN.702		x		x
guard	SDN.702		x		x

Object Class	Source	Implementation		Data Population	
		Mand.	Opt.	Mand.	Opt.
mosaicKeyManagementCertificate	SDN.702		x		x
mosaicUserSignatureCertificate	SDN.702		x		x
mosaicKMSigCertificate	SDN.702		x		x
mhs-deliverable-content-length	X.402		x		x
mhs-deliverable-content-types	X.402		x		x
mhs-deliverable-eits	X.402		x		x
mhs-message-store-dn	X.402		x		x
mhs-or-addresses	X.402		x		x
mhsPreferredDeliveryMethods	X.402		x		x
mhsUndeliverableEITS	X.402		x		x
alternateRecipient	DMS		x		x
backpointers	DMS		x		x
labeledURI	UMICH		x		x
labeledURL )	UMICH		x		x
associatedX400Gateway	RFC 1148	x			x
nonAuthoritativeAssociatedDomain	RFC 1148	x			x
keywords	PSI	x		x	
<b>room</b>	<b>RFC 1274</b>		<b>x</b>		
commonName	X.520	x		x	
description	X.520	x			x
roomNumber	X.520	x			x
seeAlso	X.520	x			x
telephoneNumber	X.520	x			x
<b>routedUA</b>	<b>X.4xx</b>		<b>x</b>		
accessMD	X.4xx	x			x
badAddressSearchAttributes	X.4xx	x			x
badAddressSearchPoint	X.4xx	x			x
filteredRedirect	X.4xx	x			x
mandatoryRedirect	X.4xx	x			x
mhs-deliverable-content-length	X.4xx	x			x
mhs-deliverable-content-types	X.4xx	x			x

Object Class	Source	Implementation		Data Population	
		Mand.	Opt.	Mand.	Opt.
mhsDeliverableEits	X.4xx	x			x
mhsMessageStoreName	X.4xx	x			x
mhspreferredDeliveryMethods	X.4xx	x			x
mTAInfo	X.4xx	x			x
nonDeliveryInfo	X.4xx	x			x
routingFailureAction	X.4xx	x			x
routingFilter	X.4xx	x			x
subtreeInformation	X.4xx	x			x
supportingMta	X.4xx	x			x
userName	X.4xx	x			x
<b>rl</b>	<b>DMS</b>		<b>x</b>		
community	DMS	x			x
description	DMS	x			x
effectiveDate	DMS	x			x
expirationDate	DMS	x			x
lmf	DMS	x			x
mhs-deliverable-content-length	DMS	x			x
nationality	DMS	x			x
navcompars	DMS	x			x
publish	DMS	x			x
rl	DMS	x		x	
rlClassification	DMS	x			x
sHD	DMS	x			x
tCC	DMS	x			x
tRC	DMS	x			x
<b>routingTreeRoot</b>	<b>X.4xx</b>		<b>x</b>		
accessMD	X.4xx	x			x
badAddressSearchAttributes	X.4xx	x			x
BadAddressSearchPoint	X.4xx	x			x
commonName	X.4xx	x		x	
manager	X.4xx	x			x

Object Class	Source	Implementation		Data Population	
		Mand.	Opt.	Mand.	Opt.
mTAInfo	X.4xx	x			x
nonDeliveryInfo	X.4xx	x			x
routingFailureAction	X.4xx	x			x
routingFilter	X.4xx	x			x
subtreeInformation	X.4xx	x			x
<b>sigintPLA</b>	<b>DMS</b>	<b>x</b>			
community	DMS	x			x
description	DMS	x			x
effectiveDate	DMS	x			x
expirationDate	DMS	x			x
localityName	DMS	x			x
nationality	DMS	x			x
publish	DMS	x			x
remarks	DMS	x			x
rl	DMS	x			x
shortTitle	DMS	x			x
sigad	DMS	x			x
<b>simpleSecurityObject</b>	<b>RFC 1274</b>	<b>x</b>			
userPassword	X.520	x		x	
<b>siPLA</b>	<b>DMS</b>	<b>x</b>			
community	DMS	x			x
description	DMS	x			x
effectiveDate	DMS	x			x
expirationDate	DMS	x			x
localityName	DMS	x			x
longTitle	DMS	x		x	
nationality	DMS	x			x
publish	DMS	x			x
remarks	DMS	x			x
rl	DMS	x			x
shortTitle	DMS	x			x

Object Class	Source	Implementation		Data Population	
		Mand.	Opt.	Mand.	Opt.
sigad	DMS	x			x
<b>SPOTpla</b>	<b>DMS</b>		<b>x</b>		
actionAddressees	DMS	x			x
additionalAddressees	DMS	x			x
additionalSecondPartyAddressees	DMS	x			x
allowableOriginators	DMS	x			x
community	DMS	x			x
description	DMS	x			x
description	DMS	x			x
effectiveDate	DMS	x			x
expirationDate	DMS	x			x
remarks	DMS	x			x
secondPartyAddressees	DMS	x			x
spot	DMS	x		x	
<b>strongAuthenticationUser</b>	<b>X.521</b>		<b>x</b>		
userCertificate	X.509	x		x	
<b>strong-authenticate-user-mosaic</b>	<b>SDN.702</b>		<b>x</b>		
mosaicUserSignatureCertificate	SDN.702	x			x
<b>strong-authenticate-user-sdns</b>	<b>SDN.702</b>		<b>x</b>		
sdnsUserSignatureCertificate	SDN.702	x			x
<b>subtree</b>	<b>X.4xx</b>		<b>x</b>		
commonName	X.4xx	x		x	
manager	X.4xx	x			x
<b>taskForcePLA</b>	<b>DMS</b>		<b>x</b>		
associatedML	DMS	x			x
cognizantAuthority	DMS	x		x	
community	DMS	x			x
effectiveDate	DMS	x			x
entryClassification	DMS	x			x
expirationDate	DMS	x			x
lastRecapDate	DMS	x		x	



Object Class	Source	Implementation		Data Population	
		Mand.	Opt.	Mand.	Opt.
nationality	DMS	x			x
plaAddressees	DMS	x			x
plaName	DMS	x		x	
publish	DMS	x			x
recapDueDate	DMS	x		x	
remarks	DMS	x			x
serviceOrAgency	DMS	x			x
<b>table</b>	<b>X.4xx</b>		<b>x</b>		
commonName	X.4xx	x		x	
manager	X.4xx	x			x
<b>tableEntry</b>	<b>X.4xx</b>		<b>x</b>		
description	X.4xx	x			x
<b>tenantPLA</b>	<b>DMS</b>		<b>x</b>		
community	DMS	x			x
effectiveDate	DMS	x			x
entryClassification	DMS	x			x
expirationDate	DMS	x			x
hostOrganizationalPLA	DMS	x		x	
nationality	DMS	x			x
plaName	DMS	x		x	
publish	DMS	x			x
remarks	DMS	x			x
serviceOrAgency	DMS	x			x
tare	DMS	x			x
<b>textTableEntry</b>	<b>X.4xx</b>		<b>x</b>		
description	X.4xx	x			x
textTableKey	X.4xx	x		x	
<b>thornObject</b>	<b>RFC 1274</b>		<b>x</b>		
audio	RFC 1274	x			x
dITRedirect	RFC 1274	x			x
info	RFC 1274	x			x

Object Class	Source	Implementation		Data Population	
		Mand.	Opt.	Mand.	Opt.
jpegPhoto	RFC 1274	x			x
lastModifiedBy	RFC 1274	x			x
lastModifiedTime	RFC 1274	x			x
manager	RFC 1274	x			x
photo	RFC 1274	x			x
uniqueIdentifier	X.520	x			x
<b>thornPerson</b>	<b>RFC 1274</b>		<b>x</b>		
businessCategory	X.520		x		x
commonName	X.520	x		x	
description	X.520		x		x
preferredDeliveryMethod	X.520		x		x
seeAlso	X.520		x		x
surname	X.520	x		x	
telephoneNumber	X.520		x		x
userPassword	X.520		x		x
favouriteDrink	RFC 1274		x		x
homePhone	RFC 1274		x		x
homePostalAddress	RFC 1274		x		x
janetMailbox	RFC 1274		x		x
mailPreferenceOption	RFC 1274		x		x
mobileTelephoneNumber	RFC 1274		x		x
organizationalStatus	RFC 1274		x		x
otherMailbox	RFC 1274		x		x
pagerTelephoneNumber	RFC 1274		x		x
personalSignature	RFC 1274		x		x
personalTitle	RFC 1274		x		x
rfc822MailBox	RFC 1274		x		x
roomNumber	RFC 1274		x		x
secretary	RFC 1274		x		x
textEncodedORAddress	RFC 1274		x		x
userClass	RFC 1274		x		x
userid	RFC 1274		x		x
<b>usCountyOrEquivalent</b>	<b>NADF</b>		<b>x</b>		
description	X.520	x			x
localityName	X.520	x		x	
searchGuide	X.520	x			x
seeAlso	X.520	x			x

Object Class	Source	Implementation		Data Population	
		Mand.	Opt.	Mand.	Opt.
stateOrProvinceName	X.520	x			x
streetAddress	X.520	x			x
fipsCountyNumericCode	NADF	x		x	
multiMedialInformation	NADF	x			x
nadfSearchGuide	NADF	x			x
supplementaryInformation	NADF	x			x
lastModifiedTime	RFC1274	x		x	
<b>usPlace</b>	<b>NADF</b>		<b>x</b>		
description	X.520	x			x
fipsPlaceNumericCode	X.520	x		x	
localityName	X.520	x		x	
multiMedialInformation	X.520	x			x
nadfSearchGuide	NADF	x			x
searchGuide	NADF	x			x
seeAlso	NADF	x			x
stateOrProvinceName	NADF	x			x
streetAddress	NADF	x			x
supplementaryInformation	NADF	x			x
lastModifiedTime	RFC1274	x		x	
<b>usStateOrEquivalent</b>	<b>NADF</b>		<b>x</b>		
description	X.520	x			x
fipsStateAlphaCode	X.520	x		x	
fipsStateNumericCode	X.520	x		x	
localityName	X.520	x		x	
multiMedialInformation	X.520	x			x
nadfSearchGuide	NADF	x			x
searchGuide	NADF	x			x
seeAlso	NADF	x			x
stateOrProvinceName	NADF	x		x	
streetAddress	NADF	x			x
supplementaryInformation	NADF	x			x



US Gold

Object Class	Source	Implementation		Data Population	
		Mand.	Opt.	Mand.	Opt.
lastModifiedTime	RFC1274	x		x	
<b>govt-x.400ToRFC822Mapping</b>		<b>US Govt</b>		<b>x</b>	
<b>(subclass of RFC1148 x.400ToRFC822Mapping)</b>					
accessMD	X.4xx	x			x
badAddressSearchAttributes	X.4xx	x			x
badAddressSearchPoint	X.4xx	x			x
mTAInfo	X.4xx	x			x
nonDeliveryInfo	X.4xx	x			x
routingFailureAction	X.4xx	x			x
routingFilter	X.4xx	x			x
subtreeInformation	X.4xx	x			x
associatedDomain	RFC 1148	x			x
nonAuthoritativeAssociatedDomain	RFC 1148	x			x
<b>rfc822Node</b>		<b>RFC 822</b>		<b>x</b>	
associatedName	RFC 1274	x			x
domainComponent	RFC 1274	x			x
businessCategory	X.520	x			x
description	X.520	x			x
destinationIndicator	X.520	x			x
facsimileNumber	X.520	x			x
internationalISDNNumber	X.520	x			x
localityName	X.520	x			x
organizationName	X.520	x			x
physicalDeliveryOfficeName	X.520	x			x
postOfficeBox	X.520	x			x
postalAddress	X.520	x			x
postalCode	X.520	x			x
preferredDeliveryMethod	X.520	x			x
registeredAddress	X.520	x			x
searchGuide	X.520	x			x
seeAlso	X.520	x			x
stateOrProvinceName	X.520	x			x



Object Class	Source	Implementation		Data Population	
		Mand.	Opt.	Mand.	Opt.
streetAddress	X.520	x			x
telephoneNumber	X.520	x			x
teletexTerminalIdentifier	X.520	x			x
telexNumber	X.520	x			x
userPassword	X.520	x			x
x121Address	X.520	x			x
badAddressSearchAttributes	RFC 822	x			x
badAddressSearchPoint	RFC 822	x			x
subtreeInformation	RFC 822	x			x
X.400 Domain	RFC 822	x			x