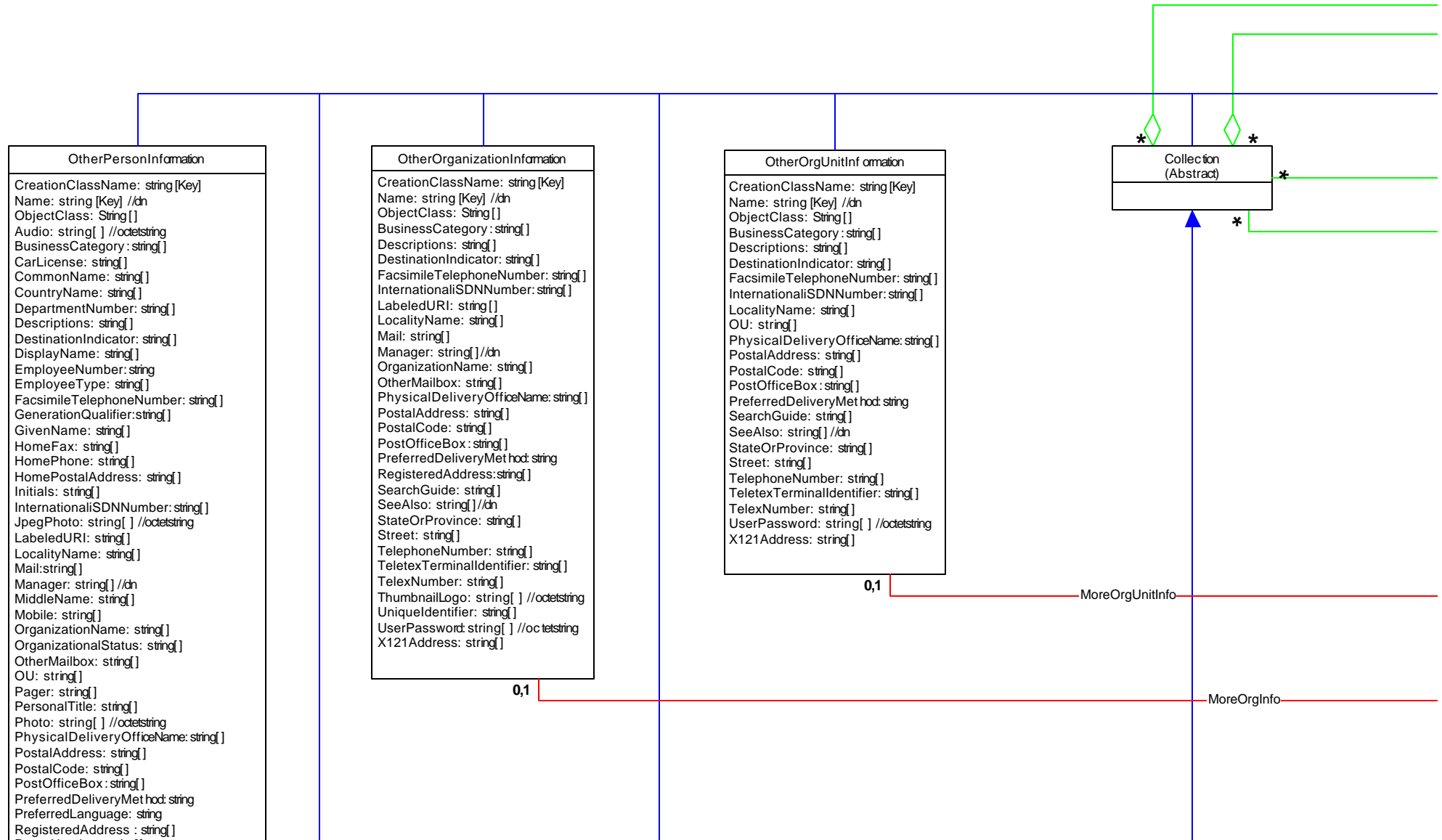
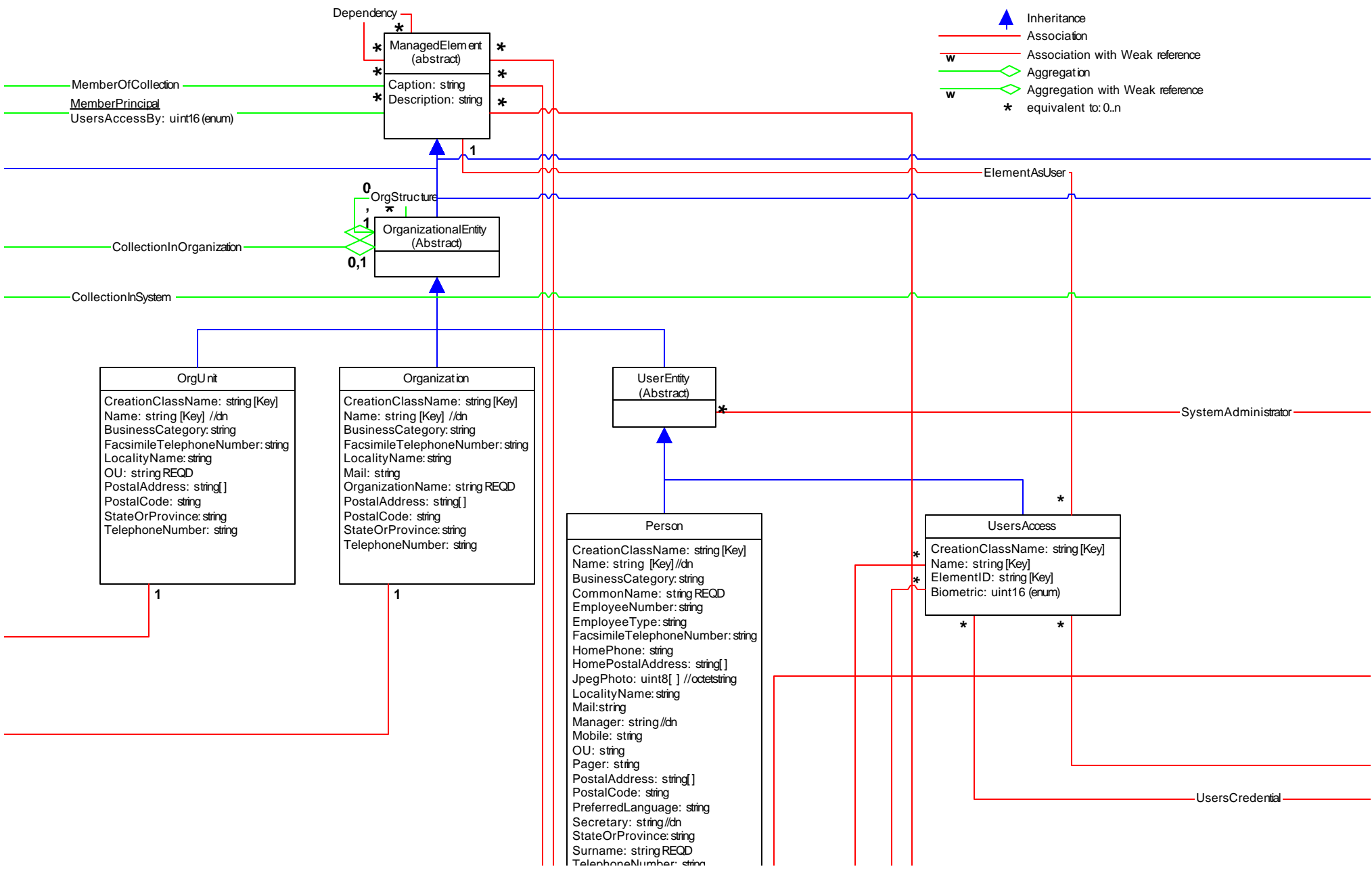


**Title** : User-Security Specification (UML diagram)  
**Filename:** CIM\_User26.vsd  
**Author** : DM TF  
**Date** : 04 June 2002





- Inheritance
- Association
- Association with Weak reference
- Aggregation
- Aggregation with Weak reference
- \* equivalent to: 0..n

MemberOfCollection  
 MemberPrincipal  
 UsersAccessBy: uint16 (enum)

CollectionInOrganization  
 CollectionInSystem

ElementAsUser

SystemAdministrator

UsersCredential

**OrgUnit**

CreationClassName: string [Key]  
 Name: string [Key] //dn  
 BusinessCategory: string  
 FacsimileTelephoneNumber: string  
 LocalityName: string  
 OU: string REQD  
 PostalAddress: string[]  
 PostalCode: string  
 StateOrProvince: string  
 TelephoneNumber: string

**Organization**

CreationClassName: string [Key]  
 Name: string [Key] //dn  
 BusinessCategory: string  
 FacsimileTelephoneNumber: string  
 LocalityName: string  
 Mail: string  
 OrganizationName: string REQD  
 PostalAddress: string[]  
 PostalCode: string  
 StateOrProvince: string  
 TelephoneNumber: string

**UserEntity (Abstract)**

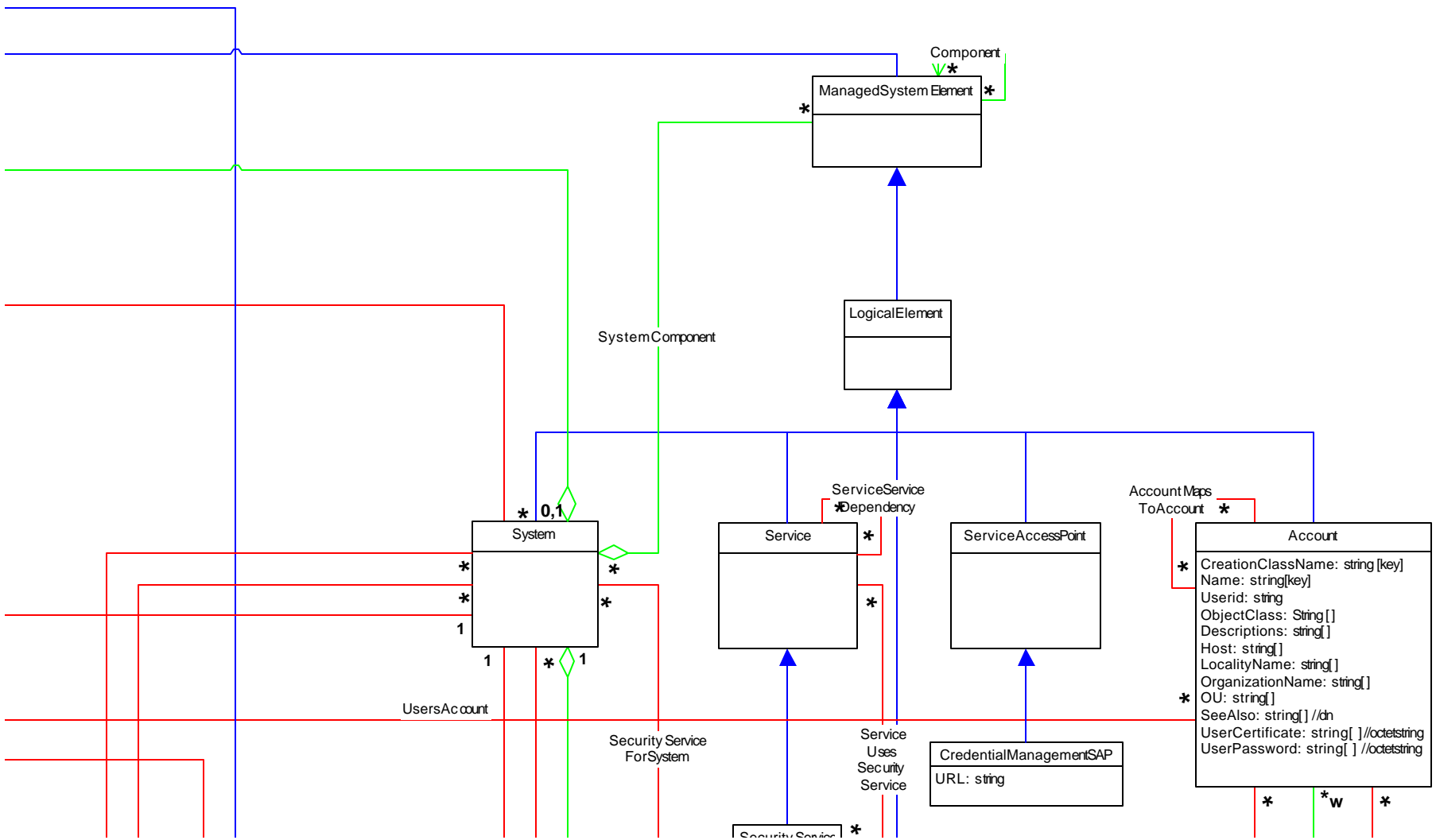
**Person**

CreationClassName: string [Key]  
 Name: string [Key] //dn  
 BusinessCategory: string  
 CommonName: string REQD  
 EmployeeNumber: string  
 EmployeeType: string  
 FacsimileTelephoneNumber: string  
 HomePhone: string  
 HomePostalAddress: string[]  
 JpegPhoto: uint8[] //octetstring  
 LocalityName: string  
 Mail: string  
 Manager: string //dn  
 Mobile: string  
 OU: string  
 Pager: string  
 PostalAddress: string[]  
 PostalCode: string  
 PreferredLanguage: string  
 Secretary: string //dn  
 StateOrProvince: string  
 Surname: string REQD  
 TelephoneNumber: string

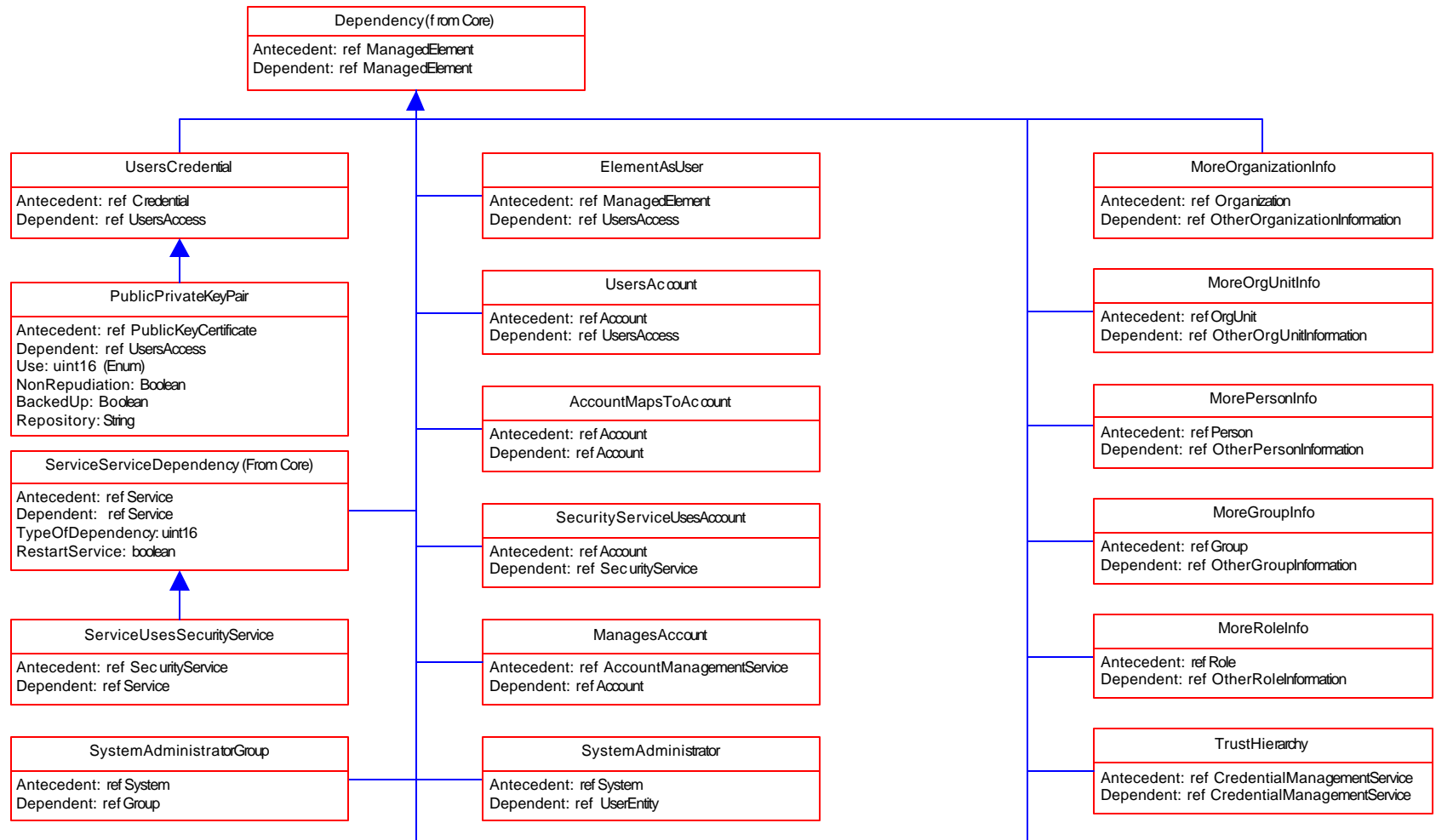
**UsersAccess**

CreationClassName: string [Key]  
 Name: string [Key]  
 ElementID: string [Key]  
 Biometric: uint16 (enum)

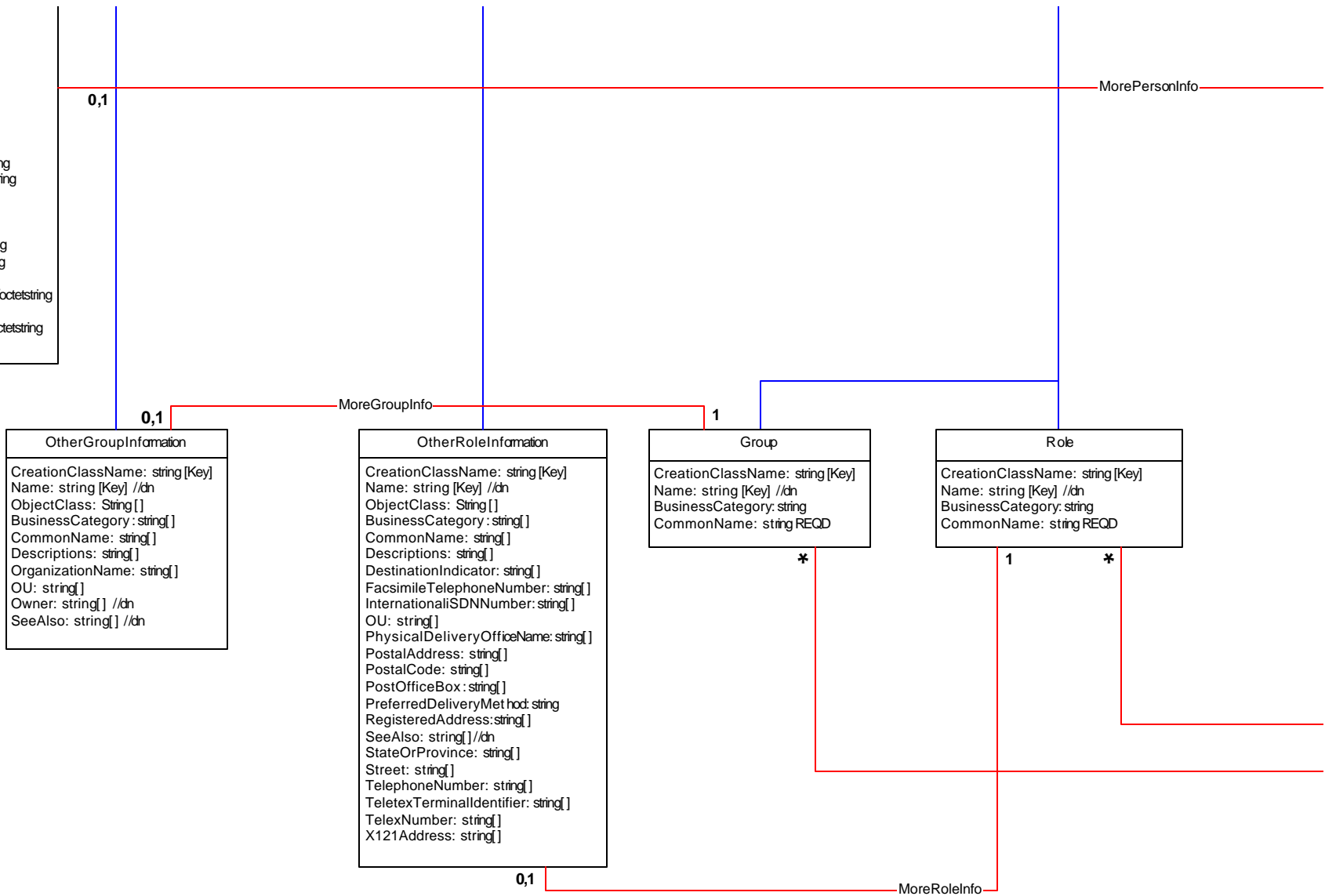
**Object classes  
as instances of Metaclass CLASS**



**Inheritance of Association classes as instances of Metaclass ASSOCIATION  
(see corresponding lines on the left side)**



RoomNumber: string[]  
 Secretary: string[]//dn  
 SeeAlso: string[]//dn  
 StateOrProvince: string[]  
 Street: string[]  
 Surname: string[]  
 TelephoneNumber: string[]  
 TeletexTerminalIdentifier: string[]  
 TelexNumber: string[]  
 ThumbnailLogo: string[ ] //octetstring  
 ThumbnailPhoto: string[ ] //octetstring  
 Title: string[]  
 UserID: string[]  
 UniqueIdentifier: string[]  
 UserCertificate: string[ ] //octetstring  
 UserPassword: string[ ] //octetstring  
 UserPKCS12: string[ ] //octetstring  
 UserSMIMECertificate: string[ ] //octetstring  
 X121Address: string[]  
 X500UniqueIdentifier: string[ ] //octetstring



**OtherGroupInformation**

CreationClassName: string [Key]  
 Name: string [Key] //dn  
 ObjectClass: String []  
 BusinessCategory: string []  
 CommonName: string []  
 Descriptions: string []  
 OrganizationName: string []  
 OU: string []  
 Owner: string [] //dn  
 SeeAlso: string [] //dn

**OtherRoleInformation**

CreationClassName: string [Key]  
 Name: string [Key] //dn  
 ObjectClass: String []  
 BusinessCategory: string []  
 CommonName: string []  
 Descriptions: string []  
 DestinationIndicator: string []  
 FacsimileTelephoneNumber: string []  
 InternationaliSDNNumber: string []  
 OU: string []  
 PhysicalDeliveryOfficeName: string []  
 PostalAddress: string []  
 PostalCode: string []  
 PostOfficeBox: string []  
 PreferredDeliveryMethod: string  
 RegisteredAddress: string []  
 SeeAlso: string [] //dn  
 StateOrProvince: string []  
 Street: string []  
 TelephoneNumber: string []  
 TeletexTerminalIdentifier: string []  
 TelexNumber: string []  
 X121Address: string []

**Group**

CreationClassName: string [Key]  
 Name: string [Key] //dn  
 BusinessCategory: string  
 CommonName: string REQD

**Role**

CreationClassName: string [Key]  
 Name: string [Key] //dn  
 BusinessCategory: string  
 CommonName: string REQD

