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ALD Taxonomy

**[Summary of ALD Taxonomy
for inclusion in ISO/IEC/TR 10000-2: 199x(E)]**

4.5.3.4.9 Library and Documentation

The Library and Documentation (ALD) profiles are based on ISO 10163 Search & Retrieve (SR) and ISO 10161 Interlibrary Loan (ILL). These specifications for SR and ILL enable interworking between systems supporting services for organizations such as libraries, information utilities and union catalogue centres.

SR is intended for use by systems supporting information retrieval services. SR provides capabilities for a system to search a database in another open system for records and receive a result set of records in response.

ILL is intended for use by systems supporting interlibrary loan services. These systems may participate in an interlibrary loan transaction in the role of a requester (i.e. an initiator of ILL requests), responder (ie a provider of bibliographic material or information) and/or intermediary (i.e. an agent that acts on behalf of a requester to find suitable responders).

[Taxonomy for inclusion in ISO/IEC/TR 10000-2: 199x(E)]

5.3.9 Library and Documentation

ALD Library and Documentation

a b Substructure

- 1 SEARCH AND RETRIEVE (SR)
- 1 1 ACSE

- 2 INTERLIBRARY LOAN (ILL)
- 2 1 ACSE
- 2 2 Store and Forward mode (IPMS)

PROFILE NAME	Identifier	Notes
Library and Documentation Applications	ALD	
Search and Retrieve (SR)	ALD1	
SR, ACSE	ALD11	
Interlibrary Loan (ILL)	ALD2	
ILL, ACSE	ALD21	
ILL, Store-and-Forward (IPMS)	ALD22	

ALD11
Search and Retrieve using ACSE.

This profile is one of a class of Application Profiles covering Search and Retrieve, which is primarily intended for use by organisations such as Libraries, information and documentation utilities and union catalogue centres to perform information retrieval activities. This profile describes the protocol's use directly over ACSE as defined in CULR (ISO/DISP 11188).

This profile covers Search and Retrieve between two systems using connection oriented ACSE and Presentation Service, using Common Upper Layer Requirements as specified in pdISP11188-1.

One system acts in the Origin role and requests the search and the record transfer. The other system acts in the Target role. The Target system performs the search requested by the initiating system, builds a result set and transfers the requested records from its database to the Origin.

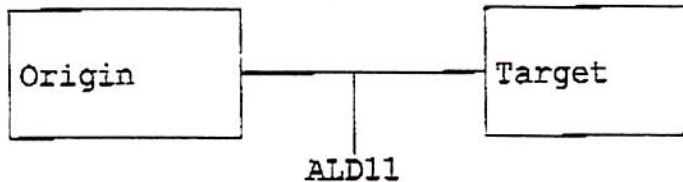


Fig. 1 Two systems, ACSE

This profile specifies how the OSI Session Layer, Presentation Layer and Application Layer standards shall be used to provide the functions defined above.

Application Layer	ISO 10163
Communications Services	ISO DISP 11188 (CULR)

Table 2: Profile Protocol Stack

ALD21

Interlibrary Loan using ACSE

This profile is one of a class of Application Profiles covering Interlibrary Loan (request handling and loan management), between two systems either of which might be a Requester, a Responder or an Intermediary, using connection oriented ACSE as defined in CULR (ISO/DISP 11188).

Application processes systems participating in the ILL transactions may be behaving as either Requester, Responder or Intermediary. The full explanation of these roles should be obtained from ISO 10160 where they are all defined. As a result of the application processing, the Responder system may communicate with another system which takes over the Responder role. The original Responder system may take on the role of an Intermediary. This process may repeat many times before the request transaction completes.

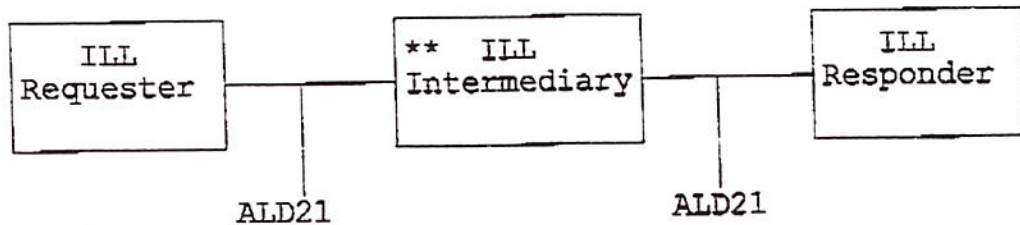


Fig.1 ILL-systems, ACSE

** Zero, one or more Intermediary systems

This profile specifies how the OSI Session layer, Presentation layer and Application layer standards shall be used to provide the functions defined above.

Application Layer	ISO 10161
Communications Services	ISO DISP 11188 (CULR)

Table 2: Profile Protocol Stack

ALD22

Interlibrary Loan using Store-and-Forward (IPMS)

This profile is one of a class of Application Profiles covering Interlibrary Loan (request handling and loan management), between two systems either of which might be a Requester-system, Responder-system or Intermediary-system, using store and forward services IPMS (CCITT X.400/ISO 10021).

This profile covers Interlibrary Loan using IPMS.

Application processes systems participating in the ILL transactions may be behaving as either Requester, Responder or Intermediary. The full explanation of these roles should be obtained from ISO 10160 where they are all defined. As a result of the application processing, the Responder system may communicate with another system which takes over the Responder role. The original Responder system may take on the role of an Intermediary. This process may repeat many times before the request transaction completes.

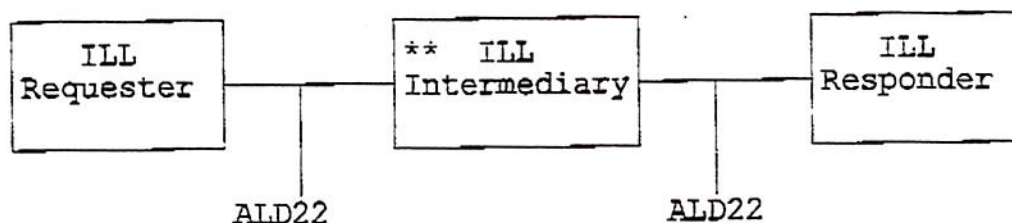


Fig.1 ILL-systems, IPMS

** Zero, one or more Intermediary systems

This profile specifies how the OSI Application layer standards shall be used to provide the functions defined above.

Application Layer	ISO 10161
Messaging Services	AMH21 and either AMH22 or AMH23 or AMH24

Table 2: Profile Protocol Stack

