

Table 1.4 Relationship Between Security Services and Mechanisms

Service	Mechanism							
	Enciph- erment	Digital signature	Access control	Data integrity	Authenti- cation exchange	Traffic padding	Routing control	Notari- zation
Peer entity authentication	Y	Y			Y			
Data origin authentication	Y	Y						
Access control			Y					
Confidentiality	Y						Y	
Traffic flow confidentiality	Y					Y	Y	
Data integrity	Y	Y		Y				
Nonrepudiation		Y		Y				Y
Availability				Y	Y			