IPMAN

- Modified Reference Model, detailed -

CM: Content Based Network Management (CBNM):
Application Data/Service Content: To manage, share and integrate information (application data/service content) reliable to the (end-)user.
(Industry) Standards: DEN (CIM), LDAP, IETF Policy Model and Schema (CIM+, LDAP), WBEM, SGML (HTML, XML)
SM: Policy Based Network Management (PBNM):
Policy Data: Policies to apply and understand.
Industry Standards: DEN (CIM), LDAP, IETF Policy Model and Schema (CIM+, LDAP), COPS, QoS (IntServ, DiffServ), RSVP, MPLS, IPSec (VPN).
TM: OSI Layer 2 and Layer 3:
Network Layer (3): Provides upper layers with independence from the data transmission and switching technologies used to connect systems; responsible for establishing, maintaining and terminating connections.
Data Link Layer (2): Provides for the reliable transfer of information across the physical link; sends blocks of data (frames) with the necessary synchronisation, error control and flow control.
NM: OSI/ISO and TCP/IP Stacks:
OSI/OSI Stack:
* Functional Areas: FCAPS
* Management Protocol and MI Services: CMIP, CMIS, OSI SMI, OSI MIB
TCP/IP Stack:
* Functionality: Manager-Agent Model
* Management Protocol, Structure of MI and MI Base: SNMP, SMI, MIB