

EXata 5.1 Model Library Index

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Model Library Index

Table 1 lists the model libraries alphabetically by model and Table 2 lists the model libraries alphabetically but by library.

TABLE 1. Model Library Index: Alphabetical by Model

Model	Library
802.11 MAC Protocol	Wireless
802.11a/g PHY Model	Wireless
802.11b PHY Model	Wireless
802.11e MAC Protocol	Wireless
802.11n MAC Protocol	Wireless
802.11n PHY Protocol	Wireless
802.11s MAC Protocol	Wireless
802.16 MAC and 802.16e MAC	Advanced Wireless
802.16 PHY	Advanced Wireless
802.3 LAN/Ethernet	Developer
Abstract Cellular	Cellular
Abstract Link MAC	Developer
Abstract Network Equation Satellite (ANESAT) Model	Wireless
Abstract PHY Model	Wireless
Abstract Satellite Model	Developer
Abstract Transmission Control Protocol (Abstract TCP)	Developer
Ad-hoc On-demand Distance Vector (AODV) Routing Protocol	Wireless
Address Resolution Protocol (ARP)	Developer
Aloha MAC Protocol	Wireless
Aloha Satellite Model with RSV Support (Satellite-RSV)	Wireless
Antenna Models	Wireless
Asynchronous Transfer Mode (ATM)	Developer
Automatic Model Selection	Urban Propagation
Bit Error Rate-based (BER) Reception Model	Wireless

TABLE 1. Model Library Index: Alphabetical by Model (Continued)

Model Library	
Background Traffic Model	Developer
Battery Models	Wireless
Bellman-Ford Routing Protocol	Developer
Border Gateway Protocol version 4 (BGPv4)	Multimedia and Enterprise
Bordercast Resolution Protocol (BRP)	Wireless
COST 231-Hata Propagation Model	Urban Propagation
COST 231-Walfish-Ikegami (COST-WI) Propagation Model	Urban Propagation
Carrier Sense Multiple Access (CSMA) MAC Protocol	Wireless
Cartesian Terrain Format	Wireless
Class-Based Queuing (CBQ)	Developer
Compact Terrain Database (CTDB) Interface*	Military Radios
Constant Bit Rate (CBR) Traffic Generator	Developer
Constant Shadowing Model	Wireless
Detailed Switch Model	Multimedia and Enterprise
Differentiated Services (DiffServ)	Multimedia and Enterprise
Digital Elevation Model (DEM) Terrain Format	Wireless
Digital Terrain Elevation (DTED) Terrain Format	Wireless
Distance Vector Multicast Routing Protocol (DVMRP)	Multimedia and Enterprise
Distributed Interactive Simulation (DIS) Interface	Federation Interfaces
Domain Name System (DNS) Model	Developer
Dynamic Hierarchical Configuration Protocol (DHCP)	Developer
Dynamic MANET On-demand (DYMO) Routing Protocol	Wireless
Dynamic Source Routing (DSR) Protocol	Wireless
Enhanced Interior Gateway Routing Protocol (EIGRP)	Multimedia and Enterprise
ESRI Shapefile Terrain Format	Wireless
FCSC Radio Prototype*	Military Radios
Fast Rayleigh Fading Model	Wireless
Faults	Developer
File Transfer Protocol (FTP)	Developer
File Transfer Protocol/Generic (FTP/Generic)	Developer
File-based Mobility Model	Wireless
File-based Node Placement Model	Developer
First-In First-Out (FIFO) Queue	Developer
Fisheye State Routing Protocol	Wireless
Fixed Communications Model	Developer
Free-space Pathloss Model	Wireless
Generic MAC Protocol	Wireless
Global System for Mobile Communications (GSM) Model	Cellular
Grid Node Placement Model	Developer
Group Node Placement and Mobility Models	Wireless

TABLE 1. Model Library Index: Alphabetical by Model (Continued)

H323 and H225 Protocols High Level Architecture (HLA) Interface Federation Interfaces High Level Architecture (HLA) Interface Federation Interfaces Hot Standby Router Protocol (HSRP) Multimedia and Enterprise HyperText Transfer Protocol (HTTP) Developer Inter-channel Interference Model Wireless Interior Gateway Routing Protocol (IGRP) Interior Control Message Protocol (IGRP) Interior Control Message Protocol (IGRP) Developer Interior Group Management Protocol (IGMP) Developer Interior Group Management Protocol (IGMP) Developer Interior Brotocol - Dual IP Developer Interior Protocol - Dual IP Developer Interior Protocol - Version 6 (IPv4) Developer Interior Protocol version 6 (IPv4) Developer Interior Protocol version 6 (IPv4) Developer Interior Routing Protocol (IRRP) Wireless Intrazone Routing Protocol (IRRP) Wireless Intrazone Routing Protocol (IRRP) Wireless Irregular Terrain Model (ITM) Wireless Landmark Ad Hoc Routing (LANMAR) Protocol Wireless Link 11 Protocol* Link 11 Protocol* Link 11 Protocol* Lognormal Shadowing Model Uccation-Aided Routing (LAR) Protocol Ucgical Link Control (LLC) Protocol Developer Lognormal Shadowing Model Uccation-Aided Routing (LAR) Protocol Lognormal Shadowing Model LTE Long Term Evolution (LTE) Evolved Packet Core (EPC) Model LTE Long Term Evolution (LTE) Layer 2 Model LTE Long Term Evolution (LTE) Layer 2 Model LTE Long Term Evolution (LTE) Layer 2 Model LTE Military Radios Multi-Protocol Label Switching (MPLS) Multi-Generator (MGEN) Toolset* Multicast Dissemination Protocol (MDP) Developer Multicast Dissemination Protocol (MDP) Developer Multicast Extensions to OSPF (MOSPF) Multimedia and Enterprise Multiple Access Collision Avoidance (MACA) MAC Protocol Developer Multicast Dissemination Protocol (ODMRP) Wireless Open Shortest Path First version 3 (OSPFv2) Routing Protocol Multimedia and Enterprise Open Shortest Path First version 3 (OSPFv2) Routing	Model	Library
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Interzone Routing Protocol (IERP) Intrazone Routing Protocol (IARP) Wireless IPv6 Autoconfiguration Model Irregular Terrain Model (ITM) Landmark Ad Hoc Routing (LANMAR) Protocol Link 11 Protocol* Link 11 Protocol* Link 16 Protocol* Link 16 Protocol* Location-Aided Routing (LAR) Protocol Logical Link Control (LLC) Protocol Logormal Shadowing Model Logormal Shadowing Model Long Traffic Generator Long Term Evolution (LTE) Evolved Packet Core (EPC) Model LTE Long Term Evolution (LTE) Layer 2 Model Long Term Evolution (LTE) Hyr Model LTE Microwave Links Mobile IPv4 Multinedia and Enterprise Multi-Generator (MGEN) Toolset* Multi-Generator (MGEN) Toolset* Multi-Generator (MGEN) Toolset* Multicast Constant Bit Rate (MCBR) Traffic Generator Multicast Dissemination Protocol (MDP) Multicast Extensions to OSPF (MOSPF) Multimedia and Enterprise Multicast Extensions to OSPF (MOSPF) Multimedia and Enterprise Neigbor Discovery Protocol Okumura-Hata Propagation Model On-Demand Multicast Routing Protocol (ODMRP) Open Shortest Path First version 3 (OSPFv3) Routing Protocol Multimedia and Enterprise Multimedia and Enterprise	Internet Protocol version 4 (IPv4)	Developer
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IPv6 Autoconfiguration Model Developer Irregular Terrain Model (ITM) Wireless Landmark Ad Hoc Routing (LANMAR) Protocol Wireless Link 11 Protocol* Military Radios Link 16 Protocol* Military Radios Location-Aided Routing (LAR) Protocol Wireless Logical Link Control (LLC) Protocol Developer Lognormal Shadowing Model Wireless Lookup Traffic Generator Developer Long Term Evolution (LTE) Evolved Packet Core (EPC) Model LTE Long Term Evolution (LTE) Layer 2 Model LTE Long Term Evolution (LTE) Hayer 2 Model LTE Long Term Evolution (LTE) Hayer 2 Model LTE Microwave Links Wireless Mobile IPv4 Multimedia and Enterprise Multi-Generator (MGEN) Toolset* Military Radios Multi-Generator (MGEN) Toolset* Multimedia and Enterprise Multicast Constant Bit Rate (MCBR) Traffic Generator Developer Multicast Dissemination Protocol (MDP) Developer Multicast Extensions to OSPF (MOSPF) Multimedia and Enterprise Multiple Access Collision Avoidance (MACA) MAC Protocol Developer Multicast Path First version 2 (OSPFv2) Routing Protocol Multimedia and Enterprise Open Shortest Path First version 3 (OSPFv3) Routing Protocol Multimedia and Enterprise Open Shortest Path First version 3 (OSPFv3) Routing Protocol Multimedia and Enterprise Multimedia and Enterprise Multimedia and Enterprise Open Shortest Path First version 3 (OSPFv3) Routing Protocol Multimedia and Enterprise Open Shortest Path First version 3 (OSPFv3) Routing Protocol Multimedia and Enterprise Open Shortest Path First version 3 (OSPFv3) Routing Protocol Multimedia and Enterprise Open Shortest Path First version 3 (OSPFv3) Routing Protocol Multimedia and Enterprise Open Shortest Path First version 3 (OSPFv3) Routing Protocol Multimedia and Enterprise	Interzone Routing Protocol (IERP)	Wireless
Irregular Terrain Model (ITM) Landmark Ad Hoc Routing (LANMAR) Protocol Link 11 Protocol* Military Radios Link 16 Protocol* Military Radios Location-Aided Routing (LAR) Protocol Logical Link Control (LLC) Protocol Lognormal Shadowing Model Lookup Traffic Generator Long Term Evolution (LTE) Evolved Packet Core (EPC) Model Long Term Evolution (LTE) Layer 2 Model Long Term Evolution (LTE) PHY Model LTE Microwave Links Mobile IPv4 Multinedia and Enterprise Multi-Generator (MGEN) Toolset* Multi-Generator (MGEN) Traffic Generator Multicast Constant Bit Rate (MCBR) Traffic Generator Multicast Extensions to OSPF (MOSPF) Multicast Extensions to OSPF (MOSPF) Multicast Routing Protocol On-Demand Multicast Routing Protocol (ODMRP) Open Shortest Path First version 3 (OSPFv2) Routing Protocol Multimedia and Enterprise	Intrazone Routing Protocol (IARP)	Wireless
Landmark Ad Hoc Routing (LANMAR) Protocol Link 11 Protocol* Link 16 Protocol* Military Radios Location-Aided Routing (LAR) Protocol Developer Logical Link Control (LLC) Protocol Developer Lognormal Shadowing Model Lokup Traffic Generator Long Term Evolution (LTE) Evolved Packet Core (EPC) Model Long Term Evolution (LTE) Layer 2 Model Long Term Evolution (LTE) PHY Model LTE Long Term Evolution (LTE) PHY Model LTE Microwave Links Mobile IPv4 Multi-Generator (MGEN) Toolset* Multi-Generator (MGEN) Toolset* Multi-Protocol Label Switching (MPLS) Multicast Constant Bit Rate (MCBR) Traffic Generator Multicast Dissemination Protocol (MDP) Developer Multicast Extensions to OSPF (MOSPF) Multipel Access Collision Avoidance (MACA) MAC Protocol On-Demand Multicast Routing Protocol (ODMRP) Open Shortest Path First version 3 (OSPFv3) Routing Protocol Multimedia and Enterprise Multimedia and Enterprise Multimedia and Enterprise Multimedia and Enterprise	IPv6 Autoconfiguration Model	Developer
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Long Term Evolution (LTE) Layer 2 Model LTE Long Term Evolution (LTE) PHY Model LTE Microwave Links Wireless Mobile IPv4 Multiredia and Enterprise Multi-Generator (MGEN) Toolset* Multi-Protocol Label Switching (MPLS) Multicast Constant Bit Rate (MCBR) Traffic Generator Multicast Dissemination Protocol (MDP) Developer Multicast Extensions to OSPF (MOSPF) Multiple Access Collision Avoidance (MACA) MAC Protocol Wireless Neigbor Discovery Protocol Okumura-Hata Propagation Model Urban Propagation On-Demand Multicast Routing Protocol (ODMRP) Wireless Open Shortest Path First version 2 (OSPFv2) Routing Protocol Multimedia and Enterprise Multimedia and Enterprise Multimedia and Enterprise	Lookup Traffic Generator	Developer
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Microwave Links Mobile IPv4 Multi-Generator (MGEN) Toolset* Multi-Protocol Label Switching (MPLS) Multicast Constant Bit Rate (MCBR) Traffic Generator Multicast Dissemination Protocol (MDP) Multicast Extensions to OSPF (MOSPF) Multiple Access Collision Avoidance (MACA) MAC Protocol Neigbor Discovery Protocol Okumura-Hata Propagation Model On-Demand Multicast Routing Protocol (ODMRP) Open Shortest Path First version 2 (OSPFv2) Routing Protocol Multimedia and Enterprise Multimedia and Enterprise Multimedia and Enterprise Multimedia and Enterprise	Long Term Evolution (LTE) Layer 2 Model	LTE
Mobile IPv4 Multi-Generator (MGEN) Toolset* Military Radios Multi-Protocol Label Switching (MPLS) Multimedia and Enterprise Multicast Constant Bit Rate (MCBR) Traffic Generator Developer Multicast Dissemination Protocol (MDP) Developer Multicast Extensions to OSPF (MOSPF) Multimedia and Enterprise Multiple Access Collision Avoidance (MACA) MAC Protocol Wireless Neigbor Discovery Protocol Developer Okumura-Hata Propagation Model Urban Propagation On-Demand Multicast Routing Protocol (ODMRP) Wireless Open Shortest Path First version 2 (OSPFv2) Routing Protocol Multimedia and Enterprise Open Shortest Path First version 3 (OSPFv3) Routing Protocol Multimedia and Enterprise	Long Term Evolution (LTE) PHY Model	LTE
Multi-Generator (MGEN) Toolset* Multi-Protocol Label Switching (MPLS) Multicast Constant Bit Rate (MCBR) Traffic Generator Multicast Dissemination Protocol (MDP) Multicast Extensions to OSPF (MOSPF) Multiple Access Collision Avoidance (MACA) MAC Protocol Neigbor Discovery Protocol Okumura-Hata Propagation Model On-Demand Multicast Routing Protocol (ODMRP) Open Shortest Path First version 2 (OSPFv2) Routing Protocol Multimedia and Enterprise Multimedia and Enterprise Multimedia and Enterprise Multimedia and Enterprise	Microwave Links	Wireless
Multi-Protocol Label Switching (MPLS) Multicast Constant Bit Rate (MCBR) Traffic Generator Multicast Dissemination Protocol (MDP) Multicast Extensions to OSPF (MOSPF) Multiple Access Collision Avoidance (MACA) MAC Protocol Neigbor Discovery Protocol Okumura-Hata Propagation Model On-Demand Multicast Routing Protocol (ODMRP) Open Shortest Path First version 2 (OSPFv2) Routing Protocol Multimedia and Enterprise Multimedia and Enterprise Multimedia and Enterprise Multimedia and Enterprise	Mobile IPv4	Multimedia and Enterprise
Multicast Constant Bit Rate (MCBR) Traffic Generator Multicast Dissemination Protocol (MDP) Multicast Extensions to OSPF (MOSPF) Multiple Access Collision Avoidance (MACA) MAC Protocol Neigbor Discovery Protocol Okumura-Hata Propagation Model On-Demand Multicast Routing Protocol (ODMRP) Open Shortest Path First version 2 (OSPFv2) Routing Protocol Multimedia and Enterprise Multimedia and Enterprise Multimedia and Enterprise Multimedia and Enterprise	Multi-Generator (MGEN) Toolset*	Military Radios
Multicast Dissemination Protocol (MDP) Multicast Extensions to OSPF (MOSPF) Multimedia and Enterprise Multiple Access Collision Avoidance (MACA) MAC Protocol Neigbor Discovery Protocol Okumura-Hata Propagation Model On-Demand Multicast Routing Protocol (ODMRP) Open Shortest Path First version 2 (OSPFv2) Routing Protocol Open Shortest Path First version 3 (OSPFv3) Routing Protocol Multimedia and Enterprise Multimedia and Enterprise	Multi-Protocol Label Switching (MPLS)	Multimedia and Enterprise
Multicast Extensions to OSPF (MOSPF) Multiple Access Collision Avoidance (MACA) MAC Protocol Neigbor Discovery Protocol Okumura-Hata Propagation Model On-Demand Multicast Routing Protocol (ODMRP) Open Shortest Path First version 2 (OSPFv2) Routing Protocol Open Shortest Path First version 3 (OSPFv3) Routing Protocol Multimedia and Enterprise Multimedia and Enterprise	Multicast Constant Bit Rate (MCBR) Traffic Generator	Developer
Multiple Access Collision Avoidance (MACA) MAC Protocol Neigbor Discovery Protocol Okumura-Hata Propagation Model On-Demand Multicast Routing Protocol (ODMRP) Open Shortest Path First version 2 (OSPFv2) Routing Protocol Open Shortest Path First version 3 (OSPFv3) Routing Protocol Multimedia and Enterprise Multimedia and Enterprise	Multicast Dissemination Protocol (MDP)	Developer
Neigbor Discovery Protocol Developer Okumura-Hata Propagation Model Urban Propagation On-Demand Multicast Routing Protocol (ODMRP) Wireless Open Shortest Path First version 2 (OSPFv2) Routing Protocol Multimedia and Enterprise Open Shortest Path First version 3 (OSPFv3) Routing Protocol Multimedia and Enterprise	Multicast Extensions to OSPF (MOSPF)	Multimedia and Enterprise
Okumura-Hata Propagation Model Urban Propagation On-Demand Multicast Routing Protocol (ODMRP) Wireless Open Shortest Path First version 2 (OSPFv2) Routing Protocol Open Shortest Path First version 3 (OSPFv3) Routing Protocol Multimedia and Enterprise Multimedia and Enterprise	Multiple Access Collision Avoidance (MACA) MAC Protocol	Wireless
On-Demand Multicast Routing Protocol (ODMRP) Open Shortest Path First version 2 (OSPFv2) Routing Protocol Open Shortest Path First version 3 (OSPFv3) Routing Protocol Multimedia and Enterprise Multimedia and Enterprise	Neigbor Discovery Protocol	Developer
Open Shortest Path First version 2 (OSPFv2) Routing Protocol Open Shortest Path First version 3 (OSPFv3) Routing Protocol Multimedia and Enterprise Multimedia and Enterprise	Okumura-Hata Propagation Model	Urban Propagation
Open Shortest Path First version 3 (OSPFv3) Routing Protocol Multimedia and Enterprise	On-Demand Multicast Routing Protocol (ODMRP)	Wireless
	Open Shortest Path First version 2 (OSPFv2) Routing Protocol	Multimedia and Enterprise
Optimized Link State Routing Protocol - INRIA (OLSR-INRIA) Wireless	Open Shortest Path First version 3 (OSPFv3) Routing Protocol	Multimedia and Enterprise
	Optimized Link State Routing Protocol - INRIA (OLSR-INRIA)	Wireless

TABLE 1. Model Library Index: Alphabetical by Model (Continued)

TABLE 1. Model Library Index: Alphabetical by Model (Continued)		
Model	Library	
Optimized Link State Routing Protocol version 2 (OLSRv2)	Wireless	
Pathloss Matrix Model	Wireless	
UMTS Call Traffic Generator	UMTS	
Policy-based Routing	Multimedia and Enterprise	
Protocol Independent Multicast Protocol: Dense Mode (PIM-DM) and Sparse Mode (PIM-SM)	Multimedia and Enterprise	
Quality of Service Extensions to OSPF (QOSPF)	Multimedia and Enterprise	
Radio Energy Models	Wireless	
Random Early Detection (RED) Queue	Developer	
Random Early Detection with In/Out (RIO) Queue	Developer	
Random Node Placement Model	Developer	
Random Waypoint Mobility Model	Wireless	
Rayleigh Fading Model	Wireless	
Real-time Transport Protocol (RTP)	Multimedia and Enterprise	
Ricean Fading Model	Wireless	
Round Robin Scheduler	Developer	
Route Map	Multimedia and Enterprise	
Route Redistribution	Multimedia and Enterprise	
Router Access List	Multimedia and Enterprise	
Router Model	Multimedia and Enterprise	
Routing Information Protocol next generation (RIPng)	Developer	
Routing Information Protocol/Routing Information Protocol version 2 (RIP/RIPv2)	Developer	
Satellite Toolkit (STK)	Developer	
Simple Network Management Protocol (SNMP)	Network Management	
SNR-based Reception Model	Wireless	
Self-Clocked Fair Queueing (SCFQ) Scheduler	Developer	
Session Initiation Protocol (SIP)	Multimedia and Enterprise	
Socket Interface	Federation Interfaces	
Source Tree Adaptive Routing (STAR) Protocol	Wireless	
Static Multicast Routes	Developer	
Static and Default Routes	Developer	
Street Microcell Propagation Model	Urban Propagation	
Street Mobile-to-mobile Propagation Model	Urban Propagation	
Strict Priority Scheduler	Developer	
Suburban Propagation Model	Urban Propagation	
Super Application Traffic Generator	Developer	
Switched Ethernet	Multimedia and Enterprise	
Telecommunications Network (TELNET)	Developer	
Threaded Application*	Military Radios	
Time Division Multiple Access (TDMA) MAC Protocol	Wireless	

TABLE 1. Model Library Index: Alphabetical by Model (Continued)

Model	Library
Trace File-based Traffic Generator (Traffic-Trace)	Developer
Traffic Generator (Traffic-Gen)	Developer
Traffic Generator Extension for Military Radios (Traffic-Gen-Ext)*	Military Radios
Transmission Control Protocol (TCP)	Developer
Two-ray Pathloss Model	Wireless
Uniform Node Placement Model	Developer
Universal Mobile Telecommunication System (UMTS)	UMTS
Urban Terrain Data Formats	Wireless
User Behavior Model	Cellular
User Datagram Protocol (UDP)	Developer
Variable Bit Rate (VBR) Traffic Generator	Developer
Virtual LAN (VLAN)	Multimedia and Enterprise
Voice over Internet Protocol (VoIP)	Multimedia and Enterprise
Weather Pattern Model	Wireless
Weighted Fair Queuing (WFQ) Scheduler	Developer
Weighted RED (WRED) Queue	Developer
Weighted Round Robin (WRR) Scheduler	Developer
ZigBee Application	Sensor Networks
ZigBee MAC	Sensor Networks
ZigBee PHY	Sensor Networks
Zone Routing Protocol (ZRP)	Wireless

^{*} Subject to export restriction under the International Traffic in Arms Regulations (ITAR) 22 CFR 120-130. International sales of these modules require authorization from the US Department of State.

TABLE 2. Model Library Index: Alphabetical by Library

Library	Models
Advanced Wireless	802.16 MAC and 802.16e MAC
Advanced Wileless	802.16 PHY
Cellular	Abstract Cellular
Celiulai	Global System for Mobile Communications (GSM) Model
	User Behavior Model
Davidanas	
Developer	802.3 LAN/Ethernet
	Abstract Link MAC
	Abstract Satellite Model
	Abstract Transmission Control Protocol (Abstract TCP)
	Address Resolution Protocol (ARP)
	Asynchronous Transfer Mode (ATM)
	Background Traffic Model
	Bellman-Ford Routing Protocol
	Class-Based Queuing (CBQ)
	Constant Bit Rate (CBR) Traffic Generator
	Domain Name System (DNS) Model
	Dynamic Hierarchical Configuration Protocol (DHCP)
	Faults
	File Transfer Protocol (FTP)
	File Transfer Protocol/Generic (FTP/Generic)
	File-based Node Placement Model
	First-In First-Out (FIFO) Queue
	Fixed Communications Model
	Grid Node Placement Model
	HyperText Transfer Protocol (HTTP)
	Internet Control Message Protocol (ICMP)
	Internet Control Message Protocol version 6 (ICMPv6)
	Internet Group Management Protocol (IGMP)
	Internet Protocol - Dual IP
	Internet Protocol version 4 (IPv4)
	Internet Protocol version 6 (IPv6)
	IPv6 Autoconfiguration Model
	Logical Link Control (LLC) Protocol
	Lookup Traffic Generator
	Multicast Constant Bit Rate (MCBR) Traffic Generator
	Multicast Dissemination Protocol (MDP)
	Neigbor Discovery Protocol
	Random Early Detection (RED) Queue
	Random Early Detection with In/Out (RIO) Queue

TABLE 2. Model Library Index: Alphabetical by Library (Continued)

Library	Models
Developer	Random Node Placement Model
(continued)	Round Robin Scheduler
· , ,	Routing Information Protocol next generation (RIPng)
	Routing Information Protocol/Routing Information Protocol version 2 (RIP/RIPv2)
	Satellite Toolkit (STK)
	Self-Clocked Fair Queueing (SCFQ) Scheduler
	Static and Default Routes
	Static Multicast Routes
	Strict Priority Scheduler
	Super Application Traffic Generator
	Telecommunications Network (TELNET)
	Trace File-based Traffic Generator (Traffic-Trace)
	Traffic Generator (Traffic-Gen)
	Transmission Control Protocol (TCP)
	Uniform Node Placement Model
	User Datagram Protocol (UDP)
	Variable Bit Rate (VBR) Traffic Generator
	Weighted Fair Queuing (WFQ) Scheduler
	Weighted RED (WRED) Queue
	Weighted Round Robin (WRR) Scheduler
Federation Interfaces	Distributed Interactive Simulation (DIS) Interface
	High Level Architecture (HLA) Interface
	Socket Interface
LTE	Long Term Evolution (LTE) Evolved Packet Core (EPC) Model
	Long Term Evolution (LTE) Layer 2 Model
	Long Term Evolution (LTE) PHY Model
Military Radios	Compact Terrain Database Format 7 (CTDB 7) and Format 8 (CTDB 8) Models*
	FCSC Radio Prototype*
	Link 11 Protocol*
	Link 16 Protocol*
	Multi-Generator (MGEN) Toolset*
	Threaded Application*
	Traffic Generator Extension for Military Radios (Traffic-Gen-Ext)*

TABLE 2. Model Library Index: Alphabetical by Library (Continued)

Library	Models
Multimedia and Enterprise	Border Gateway Protocol version 4 (BGPv4)
·	Detailed Switch Model
	Differentiated Services (DiffServ)
	Distance Vector Multicast Routing Protocol (DVMRP)
	Enhanced Interior Gateway Routing Protocol (EIGRP)
	H323 and H225 Protocols
	Hot Standby Router Protocol (HSRP)
	Interior Gateway Routing Protocol (IGRP)
	Mobile IPv4
	Multicast Extensions to OSPF (MOSPF)
	Multi-Protocol Label Switching (MPLS)
	Open Shortest Path First version 2 (OSPFv2) Routing Protocol
	Open Shortest Path First version 3 (OSPFv3) Routing Protocol
	Policy-based Routing
	Protocol Independent Multicast Protocol: Dense Mode (PIM-DM) and Sparse Mode (PIM-SM)
	Quality of Service Extensions to OSPF (QOSPF)
	Real-time Transport Protocol (RTP)
	Route Map
	Route Redistribution
	Router Access List
	Router Model
	Session Initiation Protocol (SIP)
	Switched Ethernet
	Virtual LAN (VLAN)
	Voice over Internet Protocol (VoIP)
Network Management	Simple Network Management Protocol (SNMP)
Sensor Networks	ZigBee Application
	ZigBee MAC
	ZigBee PHY
UMTS	UMTS Call Traffic Generator
	Universal Mobile Telecommunication System (UMTS)
Urban Propagation	Automatic Model Selection
	COST 231-Hata Propagation Model
	COST 231-Walfish-Ikegami (COST-WI) Propagation Model
	Okumura-Hata Propagation Model
	Street Microcell Propagation Model
	Street Mobile-to-mobile Propagation Model
	Suburban Propagation Model

TABLE 2. Model Library Index: Alphabetical by Library (Continued)

Library	Models
Wireless	802.11 MAC Protocol
	802.11a/g PHY Model
	802.11b PHY Model
	802.11e MAC Protocol
	802.11n MAC Protocol
	802.11n PHY Protocol
	802.11s MAC Protocol
	Abstract PHY Model
	Abstract Network Equation Satellite (ANESAT) Model
	Ad-hoc On-demand Distance Vector (AODV) Routing Protocol
	Aloha MAC Protocol
	Aloha Satellite Model with RSV Support (Satellite-RSV)
	Antenna Models
	Battery Models
	Bit Error Rate-based (BER) Reception Model
	Bordercast Resolution Protocol (BRP)
	Carrier Sense Multiple Access (CSMA) MAC Protocol
	Cartesian Terrain Format
	Constant Shadowing Model
	Digital Elevation Model (DEM) Terrain Format
	Digital Terrain Elevation (DTED) Terrain Format
	Dynamic MANET On-demand (DYMO) Routing Protocol
	Dynamic Source Routing (DSR) Protocol
	ESRI Shapefile Terrain Format
	Fast Rayleigh Fading Model
	File-based Mobility Model
	Fisheye State Routing Protocol
	Free-space Pathloss Model
	Generic MAC Protocol
	Group Node Placement and Mobility Models
	Inter-channel Interference Model
	Interzone Routing Protocol (IERP)
	Intrazone Routing Protocol (IARP)
	Irregular Terrain Model (ITM)
	Landmark Ad Hoc Routing (LANMAR) Protocol
	Location-Aided Routing (LAR) Protocol
	Lognormal Shadowing Model
	Microwave Links
	Multiple Access Collision Avoidance (MACA) MAC Protocol
	Omnidirectional Antenna Model

TABLE 2. Model Library Index: Alphabetical by Library (Continued)

Library	Models
Wireless	On-Demand Multicast Routing Protocol (ODMRP)
(continued)	Optimized Link State Routing Protocol - INRIA (OLSR-INRIA)
	Optimized Link State Routing Protocol version 2 (OLSRv2)
	Pathloss Matrix Model
	Radio Energy Models
	Random Waypoint Mobility Model
	Rayleigh Fading Model
	Ricean Fading Model
	SNR-based Reception Model
	Source Tree Adaptive Routing (STAR) Protocol
	Time Division Multiple Access (TDMA) MAC Protocol
	Two-ray Pathloss Model
	Urban Terrain Data Formats
	Weather Pattern Model
	Zone Routing Protocol (ZRP)

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