

What standards (RFCs) are covered by SNMP++/AGENT++?

IETF RFC Compliance

SNMP++ /Agent++ implements the following IETF RFCs:

RFC #	Title	Coverage	Versions (3.0 or higher)
3410	Introduction and Applicability Statements for Internet Standard Management Framework	✓	★
3411	An Architecture for Describing Simple Network Management Protocol (SNMP) Management Frameworks	✓	★
3412	Message Processing and Dispatching for the Simple Network Management Protocol (SNMP)	✓	★
3413	Simple Network Management Protocol Applications	✓	★
3414	User Based Security Model (USM) for SNMPv3	✓	★
3415	View-based Access Control Model (VACM) for the Simple Network Management Protocol (SNMP)	✓	★
3416	Version 2 of the Protocol Operations for the Simple Network Management Protocol (SNMP)	✓	★
3417	Transport Mappings for the Simple Network Management Protocol (SNMP)	UDP only	★
3418	Management Information Base (MIB) for the Simple Network Management Protocol (SNMP)	✓	★
3584	Coexistence between Version 1, Version 2, and Version 3 of the Internet-standard Network Management Framework	✓	★
3826	The Advanced Encryption Standard (AES) Cipher Algorithm in the SNMP User-based Security Model	✓	★
4088	Uniform Resource Identifier (URI) Scheme for the Simple Network Management Protocol (SNMP)	✗	
5343	Simple Network Management Protocol (SNMP) Context EngineID Discovery	✗	
5953	Transport Layer Security (TLS) Transport Model for the Simple Network Management Protocol (SNMP)	✗	
5590	Transport Subsystem for the Simple Network Management Protocol (SNMP)	✗	
5591	Transport Security Model for the Simple Network Management Protocol (SNMP)	✗	
5592	Secure Shell Transport Model for the Simple Network Management Protocol (SNMP)	✗	
7630	HMAC-SHA-2 Authentication Protocols in the User-based Security Model (USM) for SNMPv3	✓	>= SNMP++ 3.3.6
draft-reeder-snmpv3-usm-3desede-00	Extension to the User-Based Security Model (USM) to Support Triple-DES EDE in "Outside" CBC Mode	✓	★
draft-blumenthal-aes-usm-04	The AES Cipher Algorithm in the SNMP's User-based Security Model	✓ (AES 192 + 256)	★

AgentX++ implements the follow IETF RFCs:

RFC #	Title	Coverage	Versions
2741	Agent Extensibility (AgentX) Protocol Version 1	✓ (TCP and Unix ports)	★
2742	Definitions of Managed Objects for Extensible SNMP Agents	✓	★