

ISO/IEC 29341-8-10:2008-11 (E)

Information technology_ - UPnP Device Architecture_ - Part_ 8-10: Internet Gateway Device Control Protocol_ - Local Area Network Host Configuration Management Service

CONTENTS

FOREWORD	4
ORIGINAL UPNP DOCUMENTS (informative)	6
1. Overview and Scope	8
2. Service Modeling Definitions	9
2.1. ServiceType	9
2.2. State Variables	9
2.2.1. DHCPServerConfigurable	9
2.2.2. DHCPRelay	9
2.2.3. SubnetMask	9
2.2.4. DNSServers	9
2.2.5. DomainName	10
2.2.6. MinAddress	10
2.2.7. MaxAddress	10
2.2.8. IPRouters	10
2.2.9. ReservedAddresses	10
2.2.10. Relationships Between State Variables	10
2.3. Eventing and Moderation	11
2.3.1. Event Model	11
2.4. Actions	12
2.4.1. SetDHCPServerConfigurable	12
2.4.2. GetDHCPServerConfigurable	13
2.4.3. SetDHCPRelay	13
2.4.4. GetDHCPRelay	14
2.4.5. SetSubnetMask	14
2.4.6. GetSubnetMask	15
2.4.7. SetIPRouter	15
2.4.8. DeleteIPRouter	16
2.4.9. GetIPRoutersList	16
2.4.10. SetDomainName	17
2.4.11. GetDomainName	17
2.4.12. SetAddressRange	18
2.4.13. GetAddressRange	18
2.4.14. SetReservedAddress	19
2.4.15. DeleteReservedAddress	19
2.4.16. GetReservedAddresses	20
2.4.17. SetDNSServer	20
2.4.18. DeleteDNSServer	21
2.4.19. GetDNSServers	21
2.4.20. Non-Standard Actions Implemented by a UPnP Vendor	21
2.4.21. Relationships Between Actions	22
2.4.22. Common Error Codes	22
2.5. Theory of Operation	22
3. XML Service Description	23
4. Test	27

LIST OF TABLES

Table 1: State Variables	9
Table 2: Event Moderation.....	11
Table 3: Actions	12
Table 4: Arguments for SetDHCPServerConfigurable.....	12
Table 5: Arguments for GetDHCPServerConfigurable.....	13
Table 6: Arguments for SetDHCPRelay	13
Table 7: Arguments for GetDHCPRelay	14
Table 8: Arguments for SetSubnetMask.....	14
Table 9: Arguments for GetSubnetMask.....	15
Table 10: Arguments for SetIPRouter	15
Table 11: Arguments for DeleteIPRouter.....	16
Table 12: Arguments for GetIPRoutersList	16
Table 13: Arguments for SetDomainName.....	17
Table 14: Arguments for GetDomainName.....	17
Table 15: Arguments for SetAddressRange	18
Table 16: Arguments for GetAddressRange	18
Table 17: Arguments for SetReservedAddress	19
Table 18: Arguments for DeleteReservedAddress	19
Table 19: Arguments for GetReservedAddresses.....	20
Table 20: Arguments for SetDNSServer	20
Table 21: Arguments for DeleteDNSServer	21
Table 22: Arguments for GetDNSServers.....	21
Table 23: Common Error Codes.....	22