

ONVIF™
Test Specification Ver 1.02.2
Release Notes

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1. Summary

This release notes contains the updates made to ONVIF Test Specification v1.02.1.

A number of new test cases have been added to increase the scope and enhance interoperability between different implementations.

The modified specification is versioned as ONVIF Test Specification v1.02.2.

Following is the overview of changes:

- Device Management
 - o Scope is increased to cover DNS, NTP and Default Gateway Configuration for IPv6 and DHCP.
 - o Scope is increased to cover Network Protocol and Network Interface configuration.
 - o Test cases for user handling are newly added.
- Media Configuration
 - o Test cases to cover the GetGuaranteedNumberOfVideoEncoders and PTZ Configurations commands are added.
- Real Time Streaming
 - o Scope is increased to cover setting of Synchronization Points for MPEG-4 and H.264 streaming.
- Event Handling
 - o Test cases to verify the Base Notification Interface are newly added.
 - o Test cases to verify the Realtime Pullpoint Interface are newly added.
 - o Test case to verify the Notification streaming is newly added.
- PTZ
 - o Test cases covering the PTZ Node and PTZ Configuration handling are newly added.
 - o Test cases to verify the Absolute, Relative and Continuous Move Operations are newly added.
 - o Test cases to verify Preset operations are newly added.
- Security
 - o Test case to verify the Authentication using the WS Username token profile is newly added.

Important:

This ONVIF Test Specification v1.02.2 replaces the previously released version 1.02. As of 2010-12-29 ONVIF members shall only declare conformance of a product with ONVIF specifications with reference to this Test Specification version 1.02.2.

2. Changes

Following table lists the difference between test cases described in ONVIF Test Specification v1.02.2 and test cases described in the previous version (1.02).

ID	Test Case Name	Status
1	4.1.1 NVT IPV4 STATIC IP	Old
2	4.1.2 NVT IPV4 LINK LOCAL ADDRESS	Old
3	4.1.3 NVT IPV4 DHCP	Old
4	4.2.1 NVT IPV6 STATIC IP	Old
5	4.2.2 NVT IPV6 STATELESS IP CONFIGURATION - ROUTER ADVERTISEMENT	Old
6	4.2.3 NVT IPV6 STATELESS IP CONFIGURATION - NEIGHBOUR DISCOVERY	Old
7	4.2.4 NVT IPV6 STATEFUL IP CONFIGURATION	Old
8	5.1 NVT HELLO MESSAGE	Old
9	5.2 NVT HELLO MESSAGE VALIDATION	Old
10	5.3 NVT SEARCH BASED ON DEVICE SCOPE TYPES	Old
11	5.4 NVT SEARCH WITH OMITTED DEVICE AND SCOPE TYPES	Old
12	5.5 NVT RESPONSE TO INVALID SEARCH REQUEST	Old
13	5.6 NVT SEARCH USING UNICAST PROBE MESSAGE	Old
14	5.7 NVT DEVICE SCOPES CONFIGURATION	Old
15	5.8 NVT BYE MESSAGE	Old
16	5.9 NVT DISCOVERY MODE CONFIGURATION	Old
17	5.10 NVT SOAP FAULT MESSAGE	Old
18	6.1.1 NVT GET WSDL URL	Old
19	6.1.2 NVT ALL CAPABILITIES	Old
20	6.1.3 NVT DEVICE CAPABILITIES	Old
21	6.1.4 NVT MEDIA CAPABILITIES	Old
22	6.1.5 NVT EVENT CAPABILITIES	New
23	6.1.6 NVT PTZ CAPABILITIES	New
24	6.1.7 NVT SERVICE CATEGORY CAPABILITIES	Old
25	6.1.8 NVT SOAP FAULT MESSAGE	Old
24	6.2.1 NVT NETWORK COMMAND HOSTNAME CONFIGURATION	Old
25	6.2.2 NVT NETWORK COMMAND SETHOSTNAME TEST	Old
26	6.2.3 NVT NETWORK COMMAND SETHOSTNAME TEST ERROR CASE	Old
27	6.2.4 NVT GET DNS CONFIGURATION	Old
28	6.2.5 NVT SET DNS CONFIGURATION - SEARCHDOMAIN	New
29	6.2.6 NVT SET DNS CONFIGURATION - DNSMANUAL IPV4	Old
30	6.2.7 NVT SET DNS CONFIGURATION - DNSMANUAL IPV6	New

31	6.2.8 NVT SET DNS CONFIGURATION - FRMDHCP	New
32	6.2.9 NVT SET DNS CONFIGURATION - DNSMANUAL INVALID IPV4	Old
33	6.2.10 NVT SET DNS CONFIGURATION - DNSMANUAL INVALID IPV6	New
34	6.2.11 NVT GET NTP CONFIGURATION	Old
35	6.2.12 NVT SET NTP CONFIGURATION - NTPMANUAL IPV4	Old
36	6.2.13 NVT SET NTP CONFIGURATION - NTPMANUAL IPV6	New
37	6.2.14 NVT SET NTP CONFIGURATION - FROMDHCP	New
38	6.2.15 NVT SET NTP CONFIGURATION - NTPMANUAL INVALID IPV4	Old
39	6.2.16 NVT SET NTP CONFIGURATION - NTPMANUAL INVALID IPV6	New
40	6.2.17 NVT GET NETWORK INTERFACE CONFIGURATION	New
41	6.2.18 NVT SET NETWORK INTERFACE CONFIGURATION - IPV4	New
42	6.2.19 NVT SET NETWORK INTERFACE CONFIGURATION - IPV6	New
43	6.2.20 NVT SET NETWORK INTERFACE CONFIGURATION - INVALID IPV4	New
44	6.2.21 NVT SET NETWORK INTERFACE CONFIGURATION - INVALID IPV6	New
45	6.2.22 NVT GET NETWORK PROTOCOLS CONFIGURATION	New
46	6.2.23 NVT SET NETWORK PROTOCOLS CONFIGURATION	New
47	6.2.24 NVT SET NETWORK PROTOCOLS - UNSUPPORTED PROTOCOLS	New
48	6.2.25 NVT GET NETWORK DEFAULT GATEWAY CONFIGURATION	New
49	6.2.26 NVT SET NETWORK DEFAULT GATEWAY CONFIGURATION - IPV4	New
50	6.2.27 NVT SET NETWORK DEFAULT GATEWAY CONFIGURATION - IPV6	New
51	6.2.28 NVT SET NETWORK DEFAULT GATEWAY CONFIGURATION - INVALID IPV4	New
52	6.2.29 NVT SET NETWORK DEAFULT GATEWAY CONFIGURATION - INVALID IPV6	New
53	6.3.1 NVT SYSTEM COMMAND GETSYSTEMDATEANDTIME	Old
54	6.3.2 NVT SYSTEM COMMAND SETSYSTEMDATEANDTIME	Old
55	6.3.3 NVT SYSTEM COMMAND SETSYSTEMDATEANDTIME USING NTP	Old
56	6.3.4 NVT SYSTEM COMMAND SETSYSTEMDATEANDTIME TEST FOR INVALID TIMEZONE	Old
57	6.3.5 NVT SYSTEM COMMAND SETSYSTEMDATEANDTIME TEST FOR INVALID DATE	Old
58	6.3.6 NVT SYSTEM COMMAND FACTORY DEFAULT HARD	Old
59	6.3.7 NVT SYSTEM COMMAND FACTORY DEFAULT SOFT	Old
60	6.3.8 NVT SYSTEM COMMAND REBOOT	Old
61	6.3.9 NVT SYSTEM COMMAND DEVICE INFORMATION	Old
62	6.4.1 NVT SECURITY COMMAND GETUSERS	New
63	6.4.2 NVT SECURITY COMMAND CREATEUSERS	New
64	6.4.3 NVT SECURITY COMMAND CREATEUSERS ERROR CASE	New
65	6.4.4 NVT SECURITY COMMAND DELETEUSERS	New
66	6.4.5 NVT SECURITY COMMAND DELETEUSERS ERROR CASE	New
67	6.4.6 NVT SECURITY COMMAND DELETEUSERS DELETE ALL USERS	New
68	6.4.7 NVT SECURITY COMMAND SETUSER	New
69	6.4.8 NVT SECURITY COMMAND USER MANAGEMENT ERROR CASE	New
70	7.1.1 NVT MEDIA PROFILE CONFIGURATION	Old
71	7.1.2 NVT DYNAMIC MEDIA PROFILE CONFIGURATION	Old
72	7.2.1 NVT VIDEO SOURCE CONFIGURATION	Old
73	7.2.2 NVT VIDEO ENCODER CONFIGURATION	Old
74	7.2.3 NVT JPEG VIDEO ENCODER CONFIGURATION	Old
75	7.2.4 NVT MPEG4 VIDEO ENCODER CONFIGURATION	Old
76	7.2.5 NVT H.264 VIDEO ENCODER CONFIGURATION	Old
77	7.2.6 NVT GUARANTEED NUMBER OF VIDEO ENCODER INSTANCES	New
78	7.3.1 NVT AUDIO SOURCE CONFIGURATION	Old
79	7.3.2 NVT AUDIO ENCODER CONFIGURATION	Old
80	7.3.3 NVT G.711 AUDIO ENCODER CONFIGURATION	Old
81	7.3.4 NVT G.726 AUDIO ENCODER CONFIGURATION	Old

82	7.3.5 NVT AAC AUDIO ENCODER CONFIGURATION	Old
83	7.4.1 NVT PTZ CONFIGURATION	New
84	7.5.1 NVT METADATA CONFIGURATION	Old
85	7.6.1 NVT SNAPSHOT URI	Old
86	7.6.1 NVT SOAP FAULT MESSAGE	Old
87	7.6.2 NVT SOAP FAULT MESSAGE	Old
88	8.1.1 NVT MEDIA CONTROL – RTSP/TCP	Old
89	8.1.2 NVT MEDIA STREAMING – RTSP KEEPALIVE	Old
90	8.1.3 NVT MEDIA STREAMING – JPEG (RTP-Unicast/ UDP)	Old
91	8.1.5 NVT MEDIA STREAMING – JPEG (RTP-Unicast/RTSP/HTTP/TCP)	Old
92	8.1.6 NVT MEDIA STREAMING – JPEG (RTP/RTSP/TCP)	Old
93	8.1.7 NVT MEDIA STREAMING – MPEG4 (RTP-Unicast/ UDP)	Old
94	8.1.9 NVT MEDIA STREAMING – MPEG4 (RTP-Unicast/RTSP/HTTP/TCP)	Old
95	8.1.10 NVT MEDIA STREAMING – MPEG4 (RTP/RTSP/TCP)	Old
96	8.1.11 NVT SET SYNCHRONIZATION POINT – MPEG4	New
97	8.1.12 NVT MEDIA STREAMING – H.264 (RTP-Unicast/ UDP)	Old
98	8.1.14 NVT MEDIA STREAMING – H.264 (RTP-Unicast/RTSP/HTTP/TCP)	Old
99	8.1.15 NVT MEDIA STREAMING – H.264 (RTP/RTSP/TCP)	Old
100	8.1.16 NVT SET SYNCHRONIZATION POINT – H.264	New
101	8.2.1 NVT MEDIA STREAMING – JPEG/G.711 (RTP-Unicast/ UDP)	Old
102	8.2.3 NVT MEDIA STREAMING – JPEG/G.711 (RTP-Unicast/RTSP/HTTP/TCP)	Old
103	8.2.4 NVT MEDIA STREAMING – JPEG/G.711 (RTP/RTSP/TCP)	Old
104	8.2.5 NVT MEDIA STREAMING – JPEG/G.726 (RTP-Unicast/ UDP)	Old
105	8.2.7 NVT MEDIA STREAMING – JPEG/G.726 (RTP-Unicast/RTSP/HTTP/TCP)	Old
106	8.2.8 NVT MEDIA STREAMING – JPEG/G.726 (RTP/RTSP/TCP)	Old
107	8.2.9 NVT MEDIA STREAMING – JPEG/AAC (RTP-Unicast/ UDP)	Old
108	8.2.11 NVT MEDIA STREAMING – JPEG/AAC (RTP-Unicast/RTSP/HTTP/TCP)	Old
109	8.2.12 NVT MEDIA STREAMING – JPEG/AAC (RTP/RTSP/TCP)	Old
110	9.1.1 NVT GET EVENT PROPERTIES	New
111	9.2.1 NVT BASIC NOTIFICATION INTERFACE - SUBSCRIBE	New
112	9.2.2 NVT BASIC NOTIFICATION INTERFACE - INVALID MESSAGE CONTENT FILTER	New
113	9.2.3 NVT BASIC NOTIFICATION INTERFACE - INVALID TOPIC EXPRESSION	New
114	9.2.4 NVT BASIC NOTIFICATION INTERFACE - RENEW	New
115	9.2.5 NVT BASIC NOTIFICATION INTERFACE - UNSUBSCRIBE	New
116	9.2.6 NVT BASIC NOTIFICATION INTERFACE - RESOURCE UNKNOWN	New
117	9.2.7 NVT BASIC NOTIFICATION INTERFACE - NOTIFY	New
118	9.2.8 NVT BASIC NOTIFICATION INTERFACE - NOTIFY FILTER	New
119	9.3.1 NVT REALTIME PULLPOINT SUBSCRIPTION - CREATE PULL POINT SUBSCRIPTION	New
120	9.3.2 NVT REALTIME PULLPOINT SUBSCRIPTION - INVALID MESSAGE CONTENT FILTER	New
121	9.3.3 NVT REALTIME PULLPOINT SUBSCRIPTION - INVALID TOPIC EXPRESSION	New
122	9.3.4 NVT REALTIME PULLPOINT SUBSCRIPTION - RENEW	New
123	9.3.5 NVT REALTIME PULLPOINT SUBSCRIPTION - UNSUBSCRIBE	New
124	9.3.6 NVT REALTIME PULLPOINT SUBSCRIPTION - TIMEOUT	New
125	9.3.7 NVT REALTIME PULLPOINT SUBSCRIPTION - PULLMESSAGES	New
126	9.3.8 NVT REALTIME PULLPOINT SUBSCRIPTION - PULLMESSAGES FILTER	New
127	9.4.1 NVT NOTIFICATION STREAMING	New
		New
128	10.1.1 NVT PTZ NODES	New
129	10.1.2 NVT PTZ NODE	New
130	10.1.3 NVT SOAP FAULT MESSAGE	New

131	10.2.1 NVT PTZ CONFIGURATIONS	New
132	10.2.2 NVT PTZ CONFIGURATION	New
133	10.2.3 NVT PTZ CONFIGURATION OPTIONS	New
134	10.2.4 NVT SET CONFIGURATION	New
135	10.2.5 NVT SOAP FAULT MESSAGE	New
136	10.3.1 NVT PTZ ABSOLUTE MOVE	New
137	10.3.2 NVT SOAP FAULT MESSAGE	New
138	10.3.3 NVT PTZ RELATIVE MOVE	New
139	10.3.4 NVT PTZ CONTINUOUS MOVE	New
140	10.3.5 NVT PTZ CONTINUOUS MOVE & STOP	New
141	10.4.1 NVT SET AND GET PRESET	New
142	10.4.2 NVT GOTOPRESET	New
143	10.4.3 NVT REMOVEPRESET	New
144	10.5.1 NVT HOME POSITION OPERATIONS (CONFIGURABLE)	New
145	10.5.2 NVT HOME POSITION OPERATIONS (FIXED)	New
146	10.6.1 NVT SENDAUXILIARY COMMAND	New
147	10.7.1 Absolute Position Spaces	New
148	10.7.2 Relative Translation Spaces	New
149	10.7.3 Continuous Velocity Spaces	New
150	10.7.4 Speed Spaces	New
151	11.1 NVT USER TOKEN PROFILE	New