



ONVIF® | Newsletter

November 2017

Chairman's Message

Dear friends,

What a summer and autumn it has been! While we hope you've been relaxing and recharging, ONVIF has been busy with our work of continuing to develop and release new profiles and spreading the message of interoperability within the physical security market and beyond.

These activities have taken many forms, from the release of Profile A for advanced access control and the Release Candidate for Profile T, for advanced video streaming - both in July alone! - to the participation of ONVIF in several educational webinars, media activity and our presence at industry events around the globe. These publicly facing activities are in addition to internal ONVIF events, including a lively and productive set of internal committee meetings held in September, our Annual Meeting webinar held in late October and our 17th Annual Developers' Plugfest, held in Seoul, South Korea in November.

We're very pleased with the work we have been able to accomplish in our ninth year as an industry alliance and are extremely excited about the initiatives we've just begun to tackle that will help to lead our organization – and we think the industry – into future phases of interoperability.

To learn more about these and other ONVIF initiatives, please read on. You can also follow us on social media to stay on the cusp of what's next for ONVIF!

All Best,

Per Björkdahl

Chairman, Steering Committee for ONVIF



Events

ONVIF Technical & Working Group Meetings

November 13-16, 2017
Seoul, South Korea

Intersec 2018

January 21-23, 2018
Dubai, UAE

All Committee Meetings

February 27 - March 2, 2018
Tampa, Florida

News

ONVIF Holds Annual Member Meeting

ONVIF hosted its annual member meeting on October 25 via webinar, with member attendees around the world listening to presentations on ONVIF activities from 2017.

Hans Busch of Bosch, Chairman of the ONVIF Technical Committee, spoke to members about the specification development roadmap and its alignment to the standardization activities within the IEC TC 79 working groups for video surveillance and physical access control standards. Technical Services Committee (TSC) Chair Andreas Schneider of Sony gave an overview of the committee's work on profiles, test tools, the conformance process and Developers' Plugfests, and highlighted the new conformant product database launched earlier this year. ONVIF Communication Committee Chair Jonathan Lewit of Pelco by Schneider Electric followed the TSC with a recap of the internal and external communications of ONVIF in 2017, activities designed to promote the adoption of ONVIF Profiles.

The results of the annual elections for committees of ONVIF were announced by Stan Moyer, ONVIF Executive Director. Re-elected to the ONVIF Steering Committee were Mayur Salgar of Honeywell and Stuart Rawling of Pelco by Schneider Electric. For the Technical Committee, Hanwha Techwin's Sujith Raman, Pelco by Schneider Electric's Steve Wolf, Panasonic's Hasan Ozdemir were re-elected, while Tyco Security Product's Stephen Serplus joined the committee as a new member. Bob Dolan of Anixter, Andrew Downs of Pelco by Schneider Electric and Giri Guntipalli of Honeywell were re-elected to the Technical Services Committee. Tim Shen of Dahua, Mike Mao of Honeywell and Jonathan Lewit of Pelco by Schneider Electric were re-elected to the ONVIF Communication Committee, while Hikvision's Jens Berthelsen joined the committee as a new member.

Member Contributions Recognized with Awards

As part of the annual meeting held in late October, ONVIF recognized the extensive contributions of three individuals to various ONVIF technical committees. Arsenio Vilallonga, vice president, Networked Systems, FLIR Systems, Inc. and Nicholas Brochu of Genetec, one of the most active participants in the development of Profile T, were recipients of the 2017 ONVIF Award, which recognizes individuals and companies who have made significant contributions to ONVIF. Sriram Prasad Bhetanabottla of Canon Inc. was recognized with the 2017 ONVIF Distinguished Service Award for his role as an active, contributing core member to the Device Testing activities of the Technical Services Working Groups and Profile T.

"Arsenio, Nicholas and Sriram have made significant contributions to the development of Profile T, our newest release candidate for advanced video streaming, as well as to the ongoing work of ONVIF," said Per Björkdahl, Chair, ONVIF Steering Committee. "As a member-driven organization, it's important to recognize members who contribute many hours of service to the work of ONVIF, and contribute to fulfilling our mission. Thank you for your service and congratulations."

ONVIF Featured Speaker at China Public Security Expo 2017

Tim Shen of ONVIF member company Dahua delivered a presentation on standards in the global security industry and the role of ONVIF in providing interoperability specifications at the 16th China Public Security Expo, on Oct. 31 at the Shenzhen Convention & Exhibition Center (SZCEC) in Shenzhen, China, a biennial gathering that is one of the world's largest security exhibitions. Tim spoke to the nearly 200 attendees of his

session about the Profiles available from ONVIF and how those specifications are included in global standards that are adopted around the world.

CONSULT 2017 Event Provides Forum for Consultant Perspective

ONVIF Communication Committee Chair Jonathan Lewit moderated a panel discussion on “The ONVIF Standard: Does it belong in my Specs?” at the inaugural [CONSULT 2017](#) conference in late October. The session, which featured panelists from consulting firms Burns & McDonnell and CHA as well as from manufacturer Axis Communications, explored such topics as the relevancy of ONVIF and other standards to project specifications, specific functionalities of ONVIF and shared experiences in implementing ONVIF as part of the specification process. Held in San Antonio, Texas, the event drew consultants from around the United States.

ONVIF Hosts 17th Developers’ Plugfest in Seoul

ONVIF hosted its 17th Developers’ Plugfest on November 8-10 in Seoul, South Korea, sponsored by local member company Hanwha Techwin. The plugfest offered member companies the opportunity for interoperability testing for five ONVIF profiles as well as the release candidate for Profile T for advanced video streaming, which is scheduled for release later this year.

During the plugfest, engineers and developers from ONVIF member companies tested their products’ implementation of ONVIF Profile Specifications with other ONVIF Profile-conformant products to ensure interoperability between conformant products from other vendors. Attendees also participated in testing with ONVIF Device/Client Test Tools, with a discussion time with Test Tool developers after the testing concluded to examine any issues that arose during conformance testing.

ONVIF Releases Profile A for Broader Access Control Configuration

ONVIF has published the final release of [Profile A](#) for broader access control configuration that establishes a standardized interface for access control clients and expands the configuration options of ONVIF conformant access control systems. The release allows for the mixing and matching of access control devices and clients within a system, facilitating interoperability for multi-vendor projects.

ONVIF Profile A encompasses daily access control functions for granting and revoking employee credentials, creating and updating schedules and making changes to access control privileges within the system. Profile A deepens interoperability within the access control market by increasing functionality and system management functions at the client level, enabling the configuration of credentialing, scheduling and access privileges through the Profile A conformant client interface.

The interoperability established by Profile A allows end users and system integrators to make hardware and software choices based on functionality and performance, and will also bridge the gap between legacy hardware and new software if both are Profile A conformant. The new Profile further enables integration between access control and IP video management systems when combined with ONVIF Profile C for basic access control and Profile S for video streaming.

ONVIF Publishes Release Candidate for Profile T for Advanced Video Streaming

ONVIF also published the Release Candidate (RC) for [Profile T](#). The Profile T RC is a draft specification with advanced streaming capabilities that includes support for H.265 video compression and an expanded definition of features that extends the capabilities of ONVIF video profiles for system integrators and end users.

ONVIF Profile T for advanced streaming employs a new media service that enables the support of H.265 video compression, based on the H.265 standard developed by several different international standards organizations that specifies how to decode data into displayable video. Profile T broadens the scope of the ONVIF video profile to include both the H.264 video compression standard that is widely used in video surveillance solutions today and H.265 video compression, which is set to become the defacto video compression standard in the very near future. In addition to support for multiple video compression types, Profile T also establishes rules regarding motion detection, meta-data streaming and other important features that ultimately offer an expanded, standardized feature set to system integrators and end users, in addition to interoperability between manufacturers' solutions.

ONVIF Member Spotlight



AVIGILON™

Travis Gredley, Product Manager for Integrations at Avigilon, Full Member

What does Avigilon do?

Avigilon provides trusted security solutions to the global market. We design, develop, and manufacture video analytics, network video management software and hardware, surveillance cameras, and access control solutions, which can work with a wide range of 3rd party systems.

How long has Avigilon been in the physical security market?

Avigilon has been in the physical security market since the first commercial launch in 2004.

Why did you join ONVIF and how long has your company been a member of ONVIF?

In 2009, we adopted the ONVIF API because of its ability to facilitate a transition from analog to IP to high-definition (HD) surveillance. As pioneers in HD surveillance, we recognized early on that ONVIF would be a key driver of the industry. Providing an open interface was both powerful and would enable Avigilon to continue supporting our open platform for integration.

Is your company involved in any particular working groups?

We are currently interested in both the Use Case and Profile T working groups because we aim to continue increasing the support we offer to our growing customer base. In particular, the Profile T working group is addressing some market needs that have significantly grown in importance since the release of Profile S, and we're committed to upgrading our standard interface to be Profile T compliant.

What does it mean to you to be member of ONVIF and what kinds of benefits have you seen as a result?

Since 2009 we have utilized the ONVIF protocol as our standard API within our VMS offering and, with limited exceptions, in all of our camera offerings.

We believe this is a strong example of our commitment to the advancement of the standards ONVIF has put in place. Moreover, for our customers this provides them with a consistently open Avigilon solution that simplifies integration. As a result, the Avigilon solution supports a broad range of ONVIF compliant 3rd party cameras and VMS applications. And with this integration, we can build systems that both support legacy systems that our customers have already invested in, while also allowing them to migrate over to new platforms as they scale.

Are there any specific benefits it brings to your business?

Avigilon's ONVIF membership has helped us continue to be at the forefront of developing solutions that provide tremendous value to our partners and customers. Our industry is at the verge of further advancement in artificial intelligence technologies and IoT, which require connected systems. Standards such as ONVIF will continue to play an important role for this advancement and growth.

ONVIF Highlights Profiles, Cyber Security and Standards in Webinar Series

ONVIF partnered with two media organizations for a series of webinars designed to foster discussions on interoperability, cyber security and the role of standards in the security industry today.

In a series of three webinars produced by [Security Systems News](#), ONVIF experts spoke on such topics as "[The Standards "War" - Is it Over?](#)," focusing on the role of interoperability standards in today's security market; "[Evolving IoT: Why Standards and Cyber Security Matter More Than Ever](#)," discussing how standards such as ONVIF can help facilitate the transition to IoT; and "[Access Control: The Market, Standards and Future](#)," where attendees heard about access control's transition to IP and the use cases for operational efficiencies in a smart building environment. A webinar held in partnership with [Security Buyer](#) also addressed the importance of cyber security and the role of ONVIF and other industry best practices in this space.

Recharging and Relaxing with ONVIF

ONVIF offered show attendees a few places to relax or recharge over the past few months at such events as the [63rd Annual ASIS Seminar and Exhibits](#), held in late September in Dallas, Texas, along with [IFSEC International 2017](#) in London in late June. With either tables or couches for relaxing or power stations for recharging mobile devices, ONVIF offered an area on the show floor for attendees to enjoy a few minutes of quiet with the opportunity to watch series of videos about the latest ONVIF Profiles. Nearly 80 ONVIF member companies were exhibitors at the IFSEC show, while the ASIS show saw nearly 50 member companies showcasing their technology on the show floor.

ONVIF in the News

[ONVIF Q&A: Latest profiles, cybersecurity and the Highways England project](#)

IFSEC Global

[Move To Open Interoperability](#)

Electrical Contractor

[ONVIF Announces Final Release of Profile A for Broader Access Control Configuration](#)

Security Sales & Integration

[New Profiles From ONVIF](#)

Hi-Tech Security Solutions Magazine

[ONVIF Profile A: Bringing New Functionality to Multi-Supplier Access Control](#)

Security Buyer

[Interoperability for the Safe City](#)

ASIS Online

[ONVIF publica la versión candidata del Profile T para streaming de video avanzado](#)

Ventas de Seguridad

[Your Cheat Sheet to ONVIF® Profiles A and T](#)

Anixter.com

[ONVIF Profile A: Multi-vendor access control](#)

Sec Solution

[New release of ONVIF profile A for access control](#)

Attualità

[Advanced Video Streaming Standard Is Next in Line for ONVIF](#)

Total Security Daily Advisor

[State of the Market: Access Control 2017](#)

SDM Magazine

[Security Systems News' Interview with Jonathan Lewit](#)

Security Systems News

[Interoperability, monitoring and Big Data in Smart City](#)

a&s Italy

[Perspectivas de actualidad](#)

Ventas de Seguridad

[A Survey of Interoperability Among Surveillance Systems Using ONVIF](#)

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