December 2016

Chairman's Message

Dear friends,

It is hard to believe that we are once again on the cusp of a new year! It has certainly been an interesting one for the industry and for ONVIF. In the past year, we've seen lots of newcomers enter the physical security market and a definite increase in interest in multi-discipline security systems. Cyber security and device security also dominated discussions this year, as did new mergers and acquisitions.

For ONVIF, 2016 was a great year. Between 2015 and 2016, there was a significant increase in the number of ONVIF conformant products available to end users. We went from approximately 5,000 conformant products available in the market to more than 7,000 presently, representing a 30 percent increase. ONVIF also released the final version of Profile Q this year, the profile that provides out-of-the-box interoperability and quick set-up, as well as support for TLS. The Use Case Working Group, a new working group, was also formed in 2016. Tasked with creating specific use cases for ONVIF, the Use Case WG ultimately adds another avenue through which the security community can interact with and make suggestions to ONVIF on future profiles and other areas of discussion.

In looking ahead to 2017, ONVIF will continue its development of Profile A for access control configuration, and a new video profile, Profile T. ONVIF representatives will be speaking at Intersec, TechSec and other security trade show events and conferences throughout the year. Stay tuned to ONVIF social media feeds to see where Team ONVIF will land next. In the coming year, we feel the demand for interoperability will grow even more, and we'll ensure that ONVIF

Events

INTERSEC
January 22-24, 2017
Dubai, UAE

TecSec Solutions
February 27-28, 2017
Delray Beach, Florida

SIA Education Panel at ISC West 2017
Monday, April 4, 2017
10:15 - 11:15 - *Using ONVIF for Network Connected Security*. 11:30 - 12:30 - *The Standards Developers Panel*

ISC West
April 5-7, 2017
Las Vegas, Nevada
Booth #LL1

16th ONVIF Developers' Plugfest
May 10–12, 2017
Quebec City, Canada

ONVIF Technical & Working Group Meetings
May 15-18, 2017
Quebec City, Canada

can answer the industry's needs in facilitating broader and deeper integrations through standards.

Over the summer, we debuted the ONVIF Member Spotlight, which highlights some of our member companies. This month, we feature Hanwha Techwin and Seagate, a new ONVIF member. Be sure to check out their profiles. The Spotlight helps you to get to know the diverse group of organizations that makes ONVIF what it is today. And if you are interested in being featured in the ONVIF Member Spotlight, you can email us here.

Have a wonderful and restful holiday season and thank you for your support during 2016. See you next year!

All Best,
Per Björkdahl
Chairman, Steering Committee for ONVIF

News

ONVIF to Speak on Standards, IoT and Critical Infrastructure at Intersec 2017 in Dubai

Jonathan Lewit, ONVIF Communication Committee Chair, will present an educational session at Intersec 2017, January 22-24, in Dubai at the Dubai International Convention and Exhibition Centre, as part of Intersec's Critical Infrastructure and Information Security Conference. Lewit will speak to attendees on the 'Need for standards and dynamics of IOT on critical infrastructure physical security' on Monday, January 23rd at 3:30 P.M.

Jonathan Lewit Joins IoT Panel for TechSec 2017

ONVIF Communication Committee Chair Jonathan Lewit of Pelco by Schneider Electric will participate in a panel discussion at TechSec 2017 in Delray Beach, Fla., February 27-28. The panel discussion on the Internet of Things will feature panelists from the IT, physical security and telecommunications industries. In its 12th year, the two-day conference provides an opportunity for senior business leaders and security thought leaders to discuss new and emerging technologies.

Security China Presentation Highlights Standards in Safe Cities, IoT

Tim Shen of Dahua Technology and Cathy Zhou of Huawei represented ONVIF at Security China 2016 in October in Beijing, speaking to attendees on ONVIF use in municipal security systems, security systems with multiple brands and in Internet of Things (IoT) applications as part of the conference's Technology Development Forum. The presentation was well attended and photos from the event are available on Facebook and Weibo. ONVIF was also a sponsor of Security China 2017.

Safe Cities Conference Provided Forum for Interoperability Talk

In November, ONVIF representative Mike Prysock, Vertical Market Manager for Pelco by Schneider Electric, spoke to attendees at the recent [Secured Cities](#) conference in Houston on 'Interoperability: The Engine Running Safe Cities.' In his presentation, Prysock explored unified city surveillance architecture, macro trends in IP-based security and the role ONVIF plays in standards-based city surveillance. Secured Cities 2017 offered 48 peer-led educational sessions and included 44 exhibitors from across the physical security, artificial intelligence and telecommunications industries. Secured Cities is an annual educational conference hosted in Houston that is devoted to urban security initiatives and municipal surveillance projects.

ONVIF Offers Testing Ground with Taipei Developers' Plugfest

ONVIF hosted its 15th ONVIF Developers' Plugfest (ODP) November 9-11 in Taipei, Taiwan. Engineers and developers from ONVIF member companies gathered at the members only event to test their implementations of ONVIF Profile Specifications with other ONVIF Profile-conformant products. In addition, all ONVIF clients had one hour of testing using ONVIF Device/Client Test Tool and had the opportunity to discuss with Test Tool developers any issues that arose during conformance testing.

The Taipei Plugfest drew 42 technical experts from 15 companies and attendees logged 136 hours of total testing time, with five ONVIF profiles tested for interoperability, including Profile Q for out-of-the-box interoperability, Profile S for IP-based video systems, Profile C for IP-based access control and Profile G for edge storage and retrieval. Some developers also tested for interoperability using Profile T for video, the newest ONVIF profile that is currently in development.

The 16th ONVIF Developers' Plugfest is scheduled for May 10-12, 2017, in Montreal, Canada, and will be hosted by Genetec.

2016 ONVIF Awards

Every year, ONVIF recognizes both individuals and companies who have made significant contributions to the industry, helping it to mature and grow in a number of ways through their efforts. This year, as part of its annual meeting webinar in October, ONVIF recognized three ONVIF member company representatives with the 2016 ONVIF Award: Sriram Bhetanabottla of Canon, Robert Haraldsson of Axis Communications and Hiroyuki Sano of Sony.

Sriram Bhetanabottla of Canon received the ONVIF Award for leading process improvements on the ONVIF Device Test Tool and Device Test Specifications and for his contributions to the ONVIF Profile T Working Group. Robert Haraldsson of Axis Communications was recognized as a long-standing and active core member of the Device Test Specification and Device Testing working groups and for convening working group meetings in Verona, Italy, and in Montreal. Hiroyuki Sano of Sony was honored for providing the first Profile Q prototype and for contributions to the ONVIF Technical Committee, Video Enhancement Working Group and Profile T Working Group.

ONVIF Hosts Annual Meeting Webinar

ONVIF hosted its annual membership meeting in late October, updating members on accomplishments in 2016 and its outlook for the year ahead. ONVIF member companies heard presentations on the final release of Profile Q in 2016 and the ongoing development of Profile T for video, in addition to learning about the growing prevalence of the more than 7,000 ONVIF conformant models of products in bid and specification processes in projects around the world.

In his opening remarks, ONVIF Steering Committee Chairman Per Björkdahl highlighted the organization's achievements over the past 12 months, including its continued work with the International Electrotechnical Commission on its IEC 62676-2-3 standard for network video clients and video transmitter devices. The webinar also included presentations from each ONVIF committee chairpersons.

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

ONVIF Member Spotlight: Hanwha Techwin

Sungbong Cho, Recorder SW Development Team & ONVIF protocol Team Leader for Hanwha Techwin (formerly Samsung Techwin), discusses how ONVIF benefits end users, the company's contributions through ONVIF working groups and how broad participation will shape the future of ONVIF.

What does Hanwha Techwin do?
The company's business includes security, industrial machinery, aircraft and gas turbine engines, energy equipment and defense. The security solutions business encompasses video surveillance, access control and total security solutions.

How long has Hanwha Techwin been in the physical security market?
The company launched its first surveillance camera in 1991. Since then, we've created a full line-up of video surveillance products, from cameras and storage devices to video management systems and intelligent video/audio analysis software.

Why did Hanwha Techwin join ONVIF?
Hanwha Techwin has been a full member from the start. There are other options for network standards, but ONVIF is the only standard with momentum and wide acceptability.

Is your company involved in any ONVIF working groups?
Hanwha Techwin has been part of the ONVIF Video Enhancement Working Group since the beginning. Most recently, we've proposed some new features for inclusion in the next ONVIF video profile, which is under development. Hanwha Techwin also actively participates in the ONVIF Developers' Plugfests and technical face-to-face meetings.

What does it mean to you to be a member of ONVIF and what kinds of benefits have you seen as a result?
As a full member, Hanwha Techwin can help make better standards for the industry while also providing our customers with satisfaction and quicker integration. We are constantly monitoring the market's pulse and seek to supply new technologies to our customers based on market requirements. ONVIF helps us achieve this goal. Member participation is critical to the continued evolution of ONVIF as a standards organization and we hope to be part of that effort to help take ONVIF to the next level.

ONVIF Member Spotlight: Seagate Technology

Seagate Technology has joined ONVIF with the goal of working closely with other members to develop a storage standard/profile and best practices that will benefit the industry along with ONVIF members and end users as they continue to deploy more storage in surveillance deployments.

As the surveillance market has continued to grow over the years, the requirement of storage has become critical with the increasing need for video retention, analytics and big data. As a result, it is important for Seagate as a provider of storage solutions to learn, understand and contribute in partnership with industry experts and players on specific use cases to further improve total cost of ownership, reduce downtime/service costs and enhance data security and protection.

Seagate started their surveillance journey 10 years ago with the first surveillance optimized drive, SV35, and in 2016, rolled out the highest capacity, 10TB SkyHawk™ surveillance drive. SkyHawk delivers smart, safe and secure requirements for video surveillance recordings.

Press Releases

ONVIF Hosts 15th Developers' Plugfest in Taiwan - 11/29/2016

ONVIF Hosts Annual 2016 Member Webinar - 11/4/2016

ONVIF Speaks on Interoperability, Sponsors Secured Cities Summit - 10/31/2016

ONVIF Speaks on Standards, IoT at European Security Conferences - 10/19/2016

ONVIF Highlights Role of Standards in Safe Cities, IoT at Security China 2016 - 10/7/2016

ONVIF in the News

[ONVIF helps industry to leverage standards](#)
Published by Security Systems News

[The Internet of Things and its effects on physical security](#)
Published by A&S Magazine

[ONVIF Looks Ahead Following a Year of Growing Impact](#)
Published by Source Security

[Interoperability Vital for the Safe City](#)
Published by Security Dealer & Integrator

[Working out of the box](#)
Published by Professional Security Magazine

[ONVIF 2016 Annual Member Meeting](#)
Published by GIT Security

[ONVIF has great potential in Chinese security market](#)
Published by Pacific Security

[How ONVIF impact Chinese security market?](#)
Published by China Public Security

[ONVIF vs. soluciones de un unico proveedor](#)
Published by Ventas de Seguridad

[The Safe City and its Need for Interoperability](#)
Published by Chief IT Magazine

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