

Copenhagen data center is one of CSC's largest. It was a natural step to ask us for help when it became clear, early on in the process, that they needed our StrikeForce team to assess this very complex setup in a political arena with varied suppliers and participating parties."

StrikeForce began work months before the December 2009 conference, providing security assessment and testing of the entire cyber and physical environment in which the U.N. conference would take place. Risks ranged from espionage against participants to protecting privileged information and infrastructure from outside groups pushing specific, and potentially disruptive, agendas. Danish police were responsible for external security.

## Complex distributed security

During the project, StrikeForce worked with numerous participants, including government staff, such as heads of state, police, and intelligence services; U.N. staff; nongovernment organizations; media; and IT suppliers. CSC worked with all participants to ensure the highest levels of security were achieved across all areas, including straddling groups that worked independently, but whose actions could have affected security in adjacent areas.

"One of the strengths of our distributed security assessments is that we could ensure that errors made in one domain did not contaminate controls in adjacent domains, which was a real possibility, especially given the complexity of this conference environment," says Brennan.

For example, if the wiring closets containing switching equipment around the conference site weren't sufficiently protected with physical security controls, it would have been easy for a malicious person to gain access to a trusted, secure network, explains Brennan.

## Protecting highly sensitive data

During the conference. United Nations staff and delegates accessed voice and data, much of which would have been considered highly sensitive, via internal trusted, external untrusted, and semitrusted networks. During an event such as this, where hundreds of groups have different objectives and agendas, this segregation not only becomes more important, but infinitely more complex.

Everything from voice communications to print jobs needed to be protected from adjacent third parties. Hackers could have intercepted this traffic, says Brennan, by introducing a rogue access point masquerading as a legitimate wireless access point.

"By introducing rogue access point detection technology, it was possible to not only identify rogue access points almost instantly, but determine their physical location within the conference site," says Brennan. "Throughout the project, our findings and proposed mitigations increased the availability of key infrastructure and information systems."

Client: The Ministry of Foreign Affairs of

**Challenge:** Conflicting security objectives

**Solution:** Perform a distributed security

Results: A reduced real world threat profile,

## Cyber reports and solutions

During the project, and after the conference was finished, we provided detailed assessment reports that identified security events as they happened and provided concrete solutions that would eliminate the potential for similar future events so they could be resolved before any damage occurred. CSC also provided a complete historical record of security events enabling users to fully investigate any actions or events that led to a failure of one or more of the security controls.

Each contractor and service provider supporting specific elements of the conference's infrastructure was responsible for fixing any CSC StrikeForce identified threats or weaknesses. CSC StrikeForce worked directly with each group to determine the most effective and appropriate remediation plan based on the security objectives, time, and budget.

"The most effective approach is not always to throw money at a problem," says Brennan. "In fact, not one of our findings required the purchase of any additional system or software. By focusing on the real business risks in the actual environment, we managed to have a conference without any IT security disaster."

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