

The Liberty Alliance
GLOBAL ADOPTION

N E W S L E T T E R

FUTURES

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Moving Technology Closer to the Future: Intel Changes How Platforms Relate to Identity

The Intel Systems Technology Lab is currently working on a major initiative to empower all platforms including laptops, servers and cell phones to have a different and smarter relationship to digital identity. The project is called the Identity-capable Platform (ICP).

As part of this initiative, Intel is working closely with global strategic partners, customers, and industry standards organizations such as Liberty Alliance to develop cross-platform, client-based identity technologies that meet future security and privacy compliance requirements in next generation converged mobile wireless networks.

The Identity-capable Platform allows the client to become a full participant in the identity management and service deployment strategies implemented by the service provider's Liberty infrastructure. Federated Identities allow corporations to provide more seamless, easy-to-manage access to multi-service networks. Web services have enabled a more flexible, capable range of features in the infrastructure. Now, with ICP, clients will be able to access those services more securely and to allow the service provider to easily deploy higher-value services. This includes everything from secure, auditable financial transactions, to content presentation, to privacy-enabled location services.

Enabling such high-value, trusted services requires the close cooperation of Web service-enabled infrastructure and a capable, identity-aware client.

The Intel Identity-capable Platform is a client-based approach enabling flexible access to any device, network or service through a trusted environment that cooperates and extends infrastructure-based solutions including the federated model. This research project is focused on standards-based provisioning and strong authentication for service-oriented architectures to securely manage multiple independent identities on a single platform.

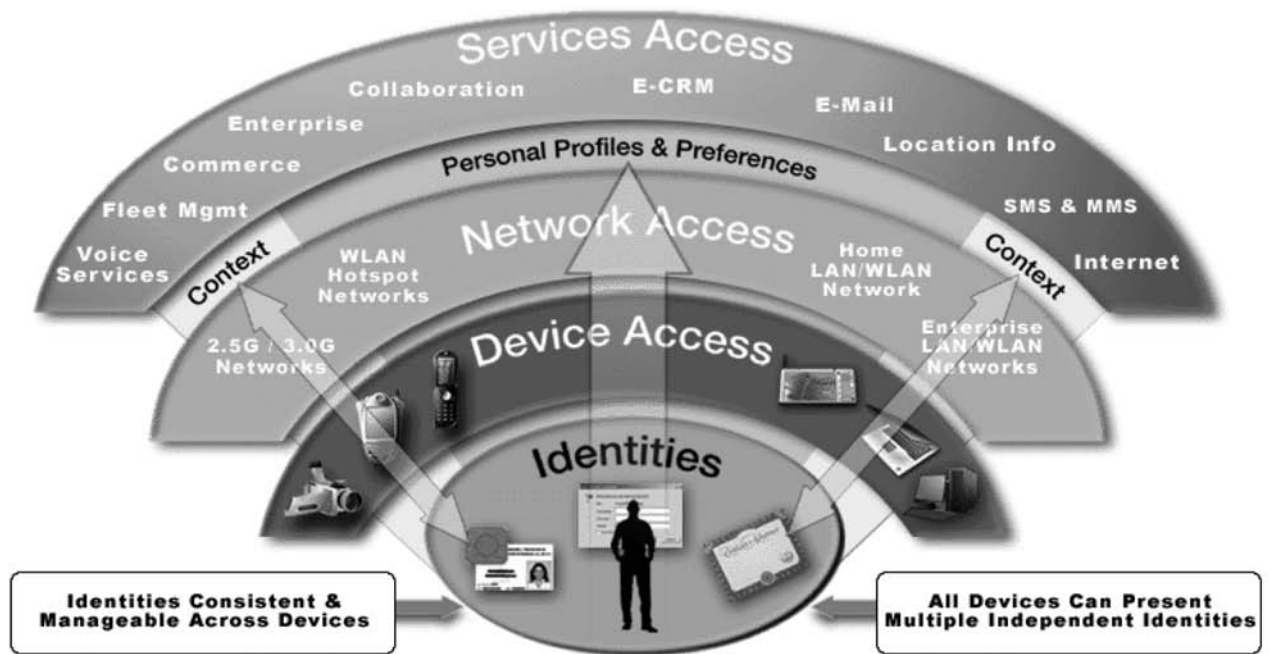
ICP in Action

In the future, an Identity-capable Platform will be able to recognize and understand identity much in the same way a platform currently understands how to support different devices.

This means platforms will know what identities are, how to “load” them, how to find and associate resources, how to delete them, how to establish policy for them and more. “In a world of multiple providers and diverse networks, the only thing the devices share is you,” stated Shelagh Callahan of Intel’s Systems Technology Lab.

Callahan believes that current approaches to managing identity are falling short and that digital identity is at a crossroads, a juncture point, an evolutionary step even. She compares what’s going on right now with identity to Detroit in the early days of car designs. Back then, every engine design had a different way of starting. Some you cranked. Others you pushed.

But today, all cars have an ignition and the driver knows to find the ignition and use the correct key. “With identity not only do we not know where to put the ignition key, we don’t even know there is an ignition key,” said Callahan. “We believe that the platform must now understand what a key is and how you can use it. Our goal is to make a variety of platforms respond to ‘identity’ just as they’ve been taught to respond to devices.”



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Access: Anywhere, Anytime

With the Identity-capable Platform, the platform itself responds to the user, rather than a remote service. This means the laptop owner is no longer broadcasting their biometrics or smart card authentication over an insecure WiFi network. It means a user can prove who they are without sending the credentials they currently use in most authentication scenarios.

Intel's plan is to create a secure partition within a PC using what's called a Trusted Platform Module. A laptop owner would authenticate him/herself to the partition using a fingerprint reader, a swipe card, a mobile phone. The platform would then speak to the remote service on the user's behalf.

"The baseline functionality that the Liberty technical frameworks put in place is allowing deployers to realize tremendous new offerings and solutions," said Britta Glade, Liberty director of marketing. "All of the foundational 'plumbing' is now in place to allow an explosion of innovation to occur over the coming months and years as deployers add new services and focused features, capitalizing on the well-thought-out frameworks we have in place."

A POC with British Telecom and HP

In February at the RSA show, Intel demonstrated the Identity-capable Platform in a Proof of Concept (POC) with British Telecom and HP.

BT and HP showcased a working implementation of provisioning secure credentials to an Identity-capable Platform using the Liberty Alliance protocols and specifications on consumers' behalf. The goals included allowing users secure access to services over multiple network technologies and devices—as well as instant online subscription and the flexibility to upgrade as required. They also wanted to provide network agnostic coverage with universal support for an extended range of multi-mode devices.

For more information on this demonstration go to:

<http://www.projectliberty.org/index.php/liberty/adoption/telecom>

**FOR MORE INFORMATION ON INTEL'S
IDENTITY-CAPABLE PLATFORM**

Web:

www.intel.com/technology/systems/stl/

www.projectliberty.org/index.php/liberty/content/download/2740/18393/file/IntelIdentityCapablePlatform.pdf

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Liberty Opens Up

www.openLiberty.org

openLiberty.org is the first portal designed to serve as a comprehensive resource for the global open source community. openLiberty.org is where anyone interested in contributing to the architecture, design and development of the openLiberty Project will be able to participate in the project wiki, document repository and discussion lists.

The portal will allow developers to access information about relevant open source efforts, their relationship to the openLiberty Project and links to those efforts. Using a standard Apache licensing model, developers will have access to downloadable member-contributed open source code for building applications based on standards from the Liberty Alliance.

The openLiberty Project was launched under the direction and leadership of the Liberty Alliance Open Source Special Interest Group. This group was formed to coordinate synergies among global open source initiatives and to identify the open source libraries developers need to build applications that interoperate with Liberty Federation, which consists of ID-FF 1.1, 1.2 and SAML 2.0, and Liberty Web Services, which consists of ID-WSF 1.0, 1.1, 2.0 and Liberty People Service specifications.

Members of the group have identified the need to focus initially on delivering ID-WSF Web Services Consumer (WSC) libraries to allow open source developers to incorporate SAML 2.0 functionality into Web services applications.

“The openLiberty Project will allow open source developers to incorporate the security and privacy capabilities of Liberty Federation and Liberty Web Services into a variety of identity-based applications,”

said Jason Rouault, vice president of the Liberty Alliance Management Board and CTO of Identity Management Software at HP. “openLiberty.org will ensure developers have access to open source tools and resources for building applications that can immediately interoperate with Liberty-based deployments worldwide.”

SURVEYING THE IDENTITY LANDSCAPE

openLiberty has created a document that offers up a map of existing technologies and then looks at unifying mechanisms to characterize these technologies and systems. The document also discusses the social, regulatory and business aspects of identity landscape—as well as listing open source projects and commercial products that are relevant in the identity landscape.

For more information go to:

http://www.openliberty.org/wiki/index.php/Identity_Landscape

Recent Liberty Alliance Announcements

For more detail go to:

http://www.projectliberty.org/index.php/liberty/news_events/press_releases

Liberty Alliance Releases New Specifications for Linking Digital Identity Management to Consumer Devices

Wednesday, March 21, 2007 – Liberty Alliance, the global identity consortium working to build a more trusted Internet for consumers, governments and businesses worldwide, today announced the release of the Advanced Client specifications designed to allow enterprise users and consumers to manage identity information on devices such as cameras, handhelds, laptops, printers, and televisions. The Advanced Client is a set of specifications and technologies that leverage the proven interoperability, security and privacy capabilities of Liberty Federation and Liberty Web Services to allow users to conduct a wide range of new identity-based transactions from any device.

Liberty Alliance and Internet Identity Workshop Team on First Identity Open Space Unconference in Europe

Thursday, March 08, 2007 – Liberty Alliance today announced that it has teamed with the Internet Identity Workshop to hold an Identity Open Space (IOS) on April 26 and 27 in Brussels, Belgium. The “unconference” is taking place in conjunction with Liberty’s April 24–26 global membership meeting and is the second IOS Liberty Alliance has jointly produced with the IIW. The IOS event is open to anyone interested in advancing the user-centric identity conversation.

Liberty Alliance Assists Corporate Legal Teams; Consortium Releases Framework for Establishing Contractual Agreements for Digital Identity Management

Wednesday, March 07, 2007 – Liberty Alliance today announced the release of a legal frameworks document designed to help organizations address the legal considerations involved in deploying federated identity management. The Liberty Alliance Contractual Framework Outline for Circles of Trust was developed to assist legal and executive management teams develop trusted relationships among organizations participating in a federated network. Liberty Alliance will hold a public webcast to review the legal frameworks document on Wednesday, March 14, from 8–9 a.m. US PT.

Liberty Alliance and Oracle Team to Advance Identity Governance Framework

Wednesday, February 07, 2007 – Liberty Alliance, the global identity consortium working to build a more trusted Internet for consumers, governments and businesses worldwide, and Oracle today announced that Oracle has submitted the Identity Governance Framework (IGF) royalty-free to Liberty Alliance. The IGF is an open standards-based initiative developed by Oracle to help organizations better govern and protect sensitive identity-related employee, customer and partner information as it flows across heterogeneous applications. Liberty Alliance will leverage its expert groups, diverse global membership and leadership in addressing the technology, business and privacy aspects of digital identity management to further develop the IGF specifications.

Liberty Alliance Announces openLiberty Project

Tuesday, January 23, 2007 – Liberty Alliance, the global identity consortium working to build a more trusted Internet for consumers, governments and businesses worldwide, today announced the openLiberty Project, a global initiative formed to provide resources and

support to open source developers building identity-based applications. With today's news, Liberty Alliance has launched openLiberty.org, a portal where developers can collaborate in the openLiberty Project and access tools and information for "jump starting" the development of more secure and privacy-respecting applications based on the widely deployed Liberty Federation and Liberty Web Services standards.

Liberty Alliance Announces Products from CA, Entr'ouvert, Ericsson, HP, NTT, NTT Software, and Symlabs Pass Interoperability Testing

Tuesday, January 16, 2007 – Liberty Alliance today announced that products from CA, Entr'ouvert, Ericsson, HP, NTT, NTT Software and Symlabs have passed Liberty Alliance testing. With today's testing results, nearly 80 identity products and solutions from vendors around the world have now passed Liberty Alliance testing for SAML 2.0, Liberty Federation and Liberty Web Services.

Liberty Alliance Announces New President, Officers and 2007 Focus Areas

Wednesday, January 10, 2007 – Liberty Alliance today announced officers on the Liberty Alliance Management Board for the 2007 calendar year. These positions are voted on by Liberty Alliance board members with elected officers serving one year terms. Roger Sullivan, vice president of Oracle Identity Management and vice president of the Liberty Alliance Management Board for the past two years, has been voted to lead Liberty as president in 2007.

HEALTHCARE ADOPTION: REPORT FROM THE FRONT

When it comes to adoption of Liberty/SAML, the healthcare vertical is moving slowly, but deliberately. Today our editors talk to Christina Stephan, MD, a physician in the National Library of Medicine Health Informatics Fellowship at the University of Minnesota and a champion of Liberty standards adoption.

Dr. Stephan's projects and research focus on public health informatics, and include assessment of HIT adoption in various healthcare settings and community readiness for health information exchange. As a member of the HIMSS RHIO Task Force and Minnesota RHIO Liaison, she has worked to foster collaborations for health information exchange demonstration projects.



Dr. Stephan is vice chair of the eHealth Special Interest Group at Liberty Alliance where she is coordinating and leading efforts to increase adoption of open standards for authentication in healthcare. Her work with Liberty also includes identifying and developing government and industry partnerships and collaborations in Europe and the U.S., which lead to endorsement and deployment of Liberty standards in eHealth.

In terms of adoption of the Liberty standards in healthcare, what do you see as the biggest challenges?

Probably the biggest problems we are running into right now are the security and privacy issues. Everywhere we look—across Europe and in the U.S.—we are finding that there are no standardized policies to enable transfer of electronic health records among healthcare organizations or across state and/or country borders.

Technology is really only a small part of the issue. The really big issue is around the policies supporting privacy, patient confidentiality and consent. So there has been an effort by various groups to first try to assess the landscape and the policies in play—in order to identify the common ground or the overlapping areas that might support health information exchange among different organizations, and ultimately, global information networks for electronic health records.

Where do you see progress being? What's the good news?

First, there is increased awareness and prioritization of the security and privacy issues. This is progress.

Second, this is evident in the Health Information Technology Standards Panel (HITSP), initiated a couple of years ago. This is a public private collaborative group that brings stakeholders together, including patients, anybody who pays medical bills, who has an electronic health record, as well as doctors, hospitals, insurers, and consumers.

HITSP enables the process so that all these parties can come together to discuss these issues. In January, HITSP formed a Security and Privacy Work Group. This is a very promising development and a very exciting time because right now we are laying the groundwork to increase awareness, educate, and help shape the dialogue around security and privacy.

Do you find that a lot of people really get the idea that when standards are adopted in a widespread fashion that there will be significant cost savings?

Yes, I think this message has been well received.

But I think another problem is that some consumers are very wary of having their health information “out on the Internet.” On the flip side, healthcare organizations and healthcare providers are wary because they are taking an increased liability or exposure to risk in how they share that information and how it's exchanged.

So the only way to increase awareness is to continue discussing the issues and Liberty standards and technology. This way, stakeholders are aware that there is technology out there that gives the patient control of their records and allows the patient to say who can see what—as well as providing the capability to maintain a consistent audit trail of all the records, and all access and access attempts for those records. These capabilities are going to be one of the key aspects for successfully providing the security and privacy in the health information network—on both the global and domestic fronts.

Where do you see Liberty Alliance playing a role?

Liberty has an absolutely essential role in helping the healthcare community learn about the technology, processes, and best practices from e-commerce pilot projects, and early adopters in eHealth.

So Liberty's role in helping to foster understanding and its promotion of SAML 2.0 certainly has an impact. And one of the things that we are doing include building industry partnerships and collaborations. Liberty's work with Internet2, HIMSS, and World of Health are examples of this.

Let's say healthcare adoption accelerates and people "get it," what would healthcare look like 10 years from now?

Great question. Adrian Gropper, Chair of the eHealth SIG, and I have talked about how patients would be controlling their own health records and how they would be designating who gets access to this information and how that access would be tracked.

For example, let's say you have a pacemaker implanted. My mother-in-law had one done last year and I know her information is transmitted by satellite to her healthcare providers. It would be so wonderful if she had an electronic health record that she could access immediately and that she could show to other healthcare providers when necessary. Right now, the only person who accesses that information is the vendor who supplies the pacemaker. But let's say you wanted to do research studies, or a large scale community study. For evidence-based medicine, we would like to be able to study many thousands of patients who undergo a particular intervention, treatment or therapy. How would you accomplish this? With the patient's permission, we could combine all that digitized, standardized information for analysis to better understand treatment outcomes and provide recommendations to improve medical care.

Another interesting example is a scenario where a family member who is dependent and who would otherwise have to be in a supervised living facility could live independently in their home—thanks to home healthcare and mobile technology. The family member might have a pacemaker that automatically transmits information, he or she might also take medicines from a dispenser which records and transmits date and dosage administered, or have other vital signs transmitted to a healthcare coordinator.... Just a few of the ideas of what is possible in the future.

Useful eHealth Links

Innovations and initiatives links and information:

http://ec.europa.eu/information_society/qualif/health/index_en.htm

Links for groups conferences reports re: European eHealth:

http://ec.europa.eu/information_society/activities/health/index_en.htm

Links for eHealth research collaboration and partnerships:

<http://www.ehealth-era.org/index.htm>

Upcoming Conference Engagement: Watch for Liberty Presentation

The World of Health IT 2007 Conference & Exhibition

Austria Center

Vienna, Austria

22-25 October 2007

Who Will Be in WHIT '07

The World of Health IT 2007 is designed by and for clinicians and other health professionals, health IT users and buyers, directors and administrators, informatics professionals, academics, relevant standardization and competent authorities on an international and national level, and vendors.

Thought Leaders and Innovators

The conference will include keynote addresses by leading healthcare experts and practitioners, officials from EU and national governments, e-Sessions, panel discussions, a state-of-the-art trade exhibition, and real-world case studies from throughout Europe, the Middle East and Africa.

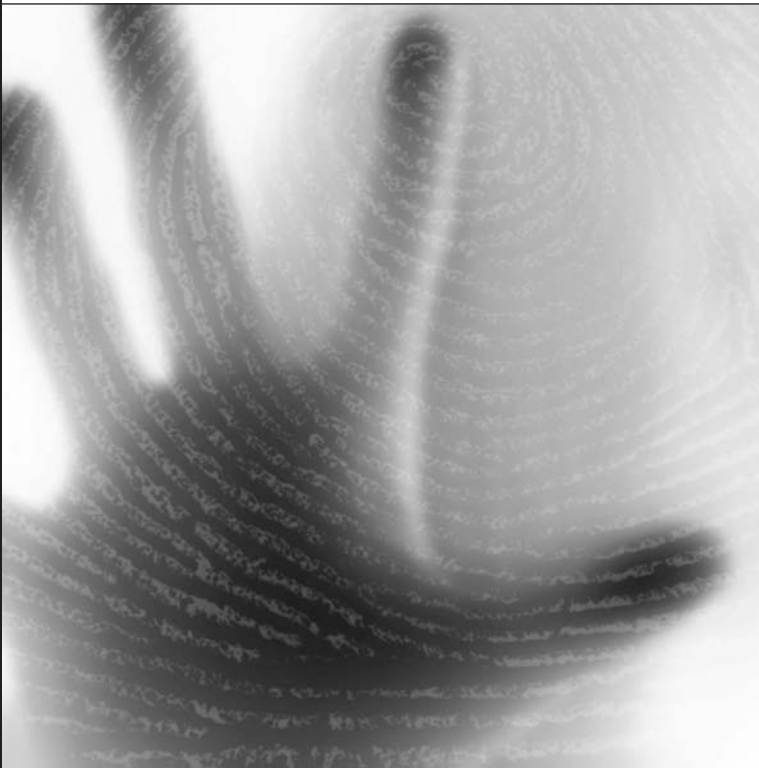
A Multifaceted and Interactive Format

Designed to be dynamic and interactive, The World of Health IT 2007 Conference & Exhibition will engage participants in thought-provoking discussions and offer ways to experience technology applications first-hand.

Program Focus and Conference Topics

The Conference & Exhibition will focus on the role and impact of Health IT on the health sector in Europe, the Middle East and Africa (EMEA). The educational sessions will primarily address experiences from deployed services, and focus will be made on proven benefits in quality and efficiency.

Adoption Snapshots



Pay By Touch Sets the Pace for Biometrics

Liberty recently added Pay By Touch, a company that makes biometric authentication and payment solutions, to its list of new adopters.

Pay By Touch uses HP IdM solutions as a foundation for deploying its federated online authentication system called TrueMe™.

TrueMe is an on-demand authentication service that enables employees, customers, and partners to authenticate themselves on the Internet using fingerprints.

Users simply swipe their fingers across a TrueMe certified finger sensor that is integrated with, or attached to, their computer.

For more information on biometrics adoption, go to:
<http://www.projectliberty.org/liberty/adoption/biometrics>



Italy Drives SAML 40 million users to shift gears

Italy's Ministry of Transportation has deployed a new Motorist Portal, enabling online payment of vehicle registration fees and traffic tickets. In the past, Italian drivers had to go to multiple locations to deal with driving-related issues and paperwork.

Today, they simply log into the Motorist Portal to do things like view their driving records and vehicle registration, as well as sign up for driving tests. To make payments, though—and this is where it gets interesting—they are routed to another government agency, Poste Italiane, the Italian postal service which collects payments for many government agencies.

The Motorist Portal acts as a SAML identity provider, with Sun Java System Access Manager authenticating users and providing single sign-on to Poste Italiane's service provider for 40 million Italian drivers. This possibly makes this one of the biggest live SAML deployments in the world.

SunTV offers up a highly informative report on this new deployment at: www.sunfeedroom.com

Spotlight on California

California is blazing the trail for statewide e-gov initiatives and is in the midst of adopting SAML and the Liberty specifications.

The centerpiece of their project is an SOA services-based enterprise architecture. A key challenge to this initiative is determining how identities will be managed in a consistent way across all lines of business and different levels of government.

Currently, the State's Identity Management Workgroup is focused on policy, standards, technical, and governance issues. They will be making recommendations throughout the year setting the stage for initial implementation beginning the first part of 2008. Several departments are working on new projects that will utilize the new infrastructure next year.

Creating a robust and secure identity management system are key project goals. Since the new environment will be SOA-based, SOAP message security will be very important. Additionally, they plan to implement the Liberty-based identity providers, attribute providers, and single sign-on—all based on SAML 2.0.

California also plans to accommodate other identity mechanisms, such as WS* and PKI/x.509 certificates. However, SAML 2.0 will probably be their primary choice. The new SOA infrastructure will tie together the portal, line of business applications, back end ERP systems, and new shared services such as a common payment service.

Recently, California introduced their new state portal <http://www.ca.gov> which represents the first piece of making online services more accessible to citizens and business partners.

The public documents can be viewed at:

<http://www.cio.ca.gov/ITCouncil/Committees/ArchStandards.html>

New E-Gov Deployers

Liberty is seeing a considerable uptick in adoption of SAML 2.0 and the Liberty specifications among various e-gov entities around the world.

Here are some of the entities and organizations that have recently been identified as adopters:

Australia	Ireland
Belgium	Italy
California	Massachusetts
Estonia	New Jersey
South Korea	New York
Germany	New Zealand
GUIDE	Turkey
Iceland	

For more information on these deployments and others go to:

<http://www.projectliberty.org/index.php/liberty/adoption/egovernment>

Let Us Know About Your Deployments

Liberty is aggressively updating its adopting tracking efforts from what was first learned in 2005.

Please let us know what we might be missing and what we can add. We're looking for deployment examples, POCs, new projects, and industry initiatives.

If you come upon a presentation or report or blog excerpt of an organization using SAML or Liberty, please let us know.

We welcome all suggestions, information, leads, ideas, and updates.

Our email is:

Trackingadoption@projectliberty.org

About the Liberty Alliance Project

The Liberty Alliance Project (www.projectliberty.org) is a global alliance of companies, non-profit and government organizations developing open standards and business, policy and privacy guidelines for federated network identity. Federated identity offers businesses, governments, employees and consumers a more convenient and secure way to control identity information and is a key component in driving the use of e-commerce, personalized data services and identity-based Web services. Liberty specifications are deployed worldwide by organizations that include American Express, AOL, BIPAC, Ericsson, General Motors, France Telecom, Nokia, NTT and Sun Microsystems. Membership is open to all commercial and non-commercial organizations. A full list of Liberty Alliance members, as well as information about how to become a member, is available at **www.projectliberty.org**