#### Support to Industry Partners in Achieving Designation/Certification for the US Safety Act

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#### Abstract

The objective of this report is to provide insight to Canadian industry partners of the CRTI/PSTP program into successfully applying for designation under the USA SAFETY Act, and preferably to be added to the Department of Homeland Security Approved Product List (APL). This will enable Canadian companies to access these markets with the outputs of CRTI or PSTP projects. The study also suggests how DRDC CSS can support Canadian companies receiving designation under the USA SAFETY Act.

#### Résumé

L'objectif de ce rapport est de fournir l'information aux partenaires de l'industrie canadienne du programme de l'IRTC/PTSP pour appliquer avec succès la désignation en vertu de la Loi sur la Sécurité d'es États-Unis et de préférence, pour être ajouté à la Liste des Produits Approuvés (LPA) du Département de Sécurité publique américain. Cela permettra aux entreprises canadiennes d'accéder à ces marchés avec des résultats de projets de l'IRTC ou PTSP. L'étude indique également comment RDDC CSS peut soutenir les entreprises canadiennes recevant la désignation en vertu de la Loi sur la Sécurité des États-Unis.

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DRDC CSS CR 2011-21

#### Support to Industry Partners in Achieving Designation/Certification for the US Safety Act

Gerg Luoma; DRDC CSS CR 2011-21; Defence R&D Canada – CSS; October 2011.

Following the terrorist attacks on the World Trade Center and the US Postal Service in 2001, the US Government realized that they needed to develop an improved strategy to prevent or render ineffective future terrorist attacks in the US. The Homeland Security Act was thus enacted in 2002.

At the same time the US Government realized that new technology would be required to achieve the objectives of the strategy, and that industry would provide a key role in developing and commercializing the appropriate technologies and capabilities. Unfortunately, the limited size of the Homeland Security market in the US coupled with the potential for very large litigations as a result of performance limitations, side effects or failures of the technologies in preventing the consequences of a terrorist attack makes developing technologies and solutions too risky for most commercial companies. Thus, to encourage industry engagement and investment in technology development, the US Government also enacted the Support for Anti-terrorism by Fostering Effective Technologies Act (SAFETY Act) at the same time as the Homeland Security Act.

The goal of the SAFETY Act was to stimulate and expedite the introduction into service of counter-terrorism technology by managing the litigation risk facing companies who entered the market. The SAFETY Act thus provides legal liability protection for manufacturers and sellers of designated anti-terrorism technologies and services. Importantly, the protection only applies to claims resulting from an act of terrorism, and does not limit the liability in other instances. For example, a drug that is developed to treat illnesses (eg. ciprofloxacin) may have side effects that create liability. In normal use the manufacturer or supplier of the drug is subject to normal litigation, but if the drug is used to treat individuals exposed to a biological agent attack the SAFETY Act protects the manufacturer or supplier of the drug from excessive liability.

The SAFETY Act also creates a second benefit to industry through the creation of the Approved Product List (APL). Any technology or service that receives the highest designation within the SAFETY Act, ie Certification, is automatically added to the APL which is available to all first responder groups as a guide to buying approved products for counter-terrorism and emergency management. In addition, many forms of National, State and Municipal grants have stipulations that allow local first responder groups to buy products from the APL directly rather than going through long and tedious competitive processes. Thus being on the APL is a major advantage in marketing counter-terrorism technology and services.

#### Sommaire

#### Soutien aux partenaires de l'industrie afin de les aider à obtenir la désignation/certification associée à la Loi américaine sur la sécurité

### Gerg Luoma; RDDC CSS CR 2011-21; R & D pour la défense Canada – CSS; Octobre 2011.

À la suite des attaques terroristes contre le World Trade Center et le service postal américain en 2001, le gouvernement américain a pris conscience qu'il devait améliorer sa stratégie visant à prévenir ou à neutraliser les futures attaques terroristes aux É.-U. C'est pour cette raison que la Loi sur la sécurité intérieure (Homeland Security Act) a été promulguée en 2002.

À la même époque, le gouvernement américain s'est aperçu qu'il était nécessaire de faire appel aux nouvelles technologies pour atteindre les objectifs de sa stratégie et que l'industrie jouerait un rôle clé dans la mise au point et la commercialisation des technologies et des capacités appropriées. Malheureusement, la taille limitée du marché de la sécurité intérieure aux É.-U., ajoutée à la possibilité de litiges très importants liés aux limites de rendement, aux effets secondaires ou à l'incapacité de la technologie à prévenir les conséquences d'une attaque terroriste rend la mise au point de technologies et l'élaboration de solutions trop risquées pour la plupart des entreprises commerciales. En conséquence, pour encourager l'engagement de l'industrie et les investissements en développement technologique, le gouvernement américain a également passé la loi sur le soutien à l'antiterrorisme favorisant la création de technologies efficaces (*Support for Anti-terrorism by Fostering Effective Technologies Act* [SAFETY Act ou Loi sur la Sécurité des États-Unis]) en même temps que la Loi sur la sécurité intérieure.

La Loi sur la Sécurité des États-Unis avait pour but de stimuler la création de technologies antiterroristes et leur mise en service rapide en gérant le risque de litiges auquel faisaient face les entreprises qui se lançaient dans ce marché. La Loi sur la Sécurité des États-Unis offre donc une protection contre les responsabilités juridiques aux manufacturiers et aux vendeurs de technologies et de services antiterrorismes désignés. Plus important encore, cette protection ne couvre que les réclamations faites à la suite d'un acte de terrorisme; elle ne limite pas la responsabilité dans les autres cas. Par exemple, un médicament conçu pour traiter des maladies (p. ex., la ciprofloxacine) peut avoir des effets secondaires qui engagent une responsabilité. Dans le cas d'une utilisation normale, le fabricant ou le fournisseur du médicament est soumis aux actions judiciaires normales, mais si le médicament est utilisé pour soigner des personnes qui ont été exposées à une attaque utilisant un agent biologique, la Loi sur la Sécurité des États-Unis protège le fabricant ou le fournisseur du médicament de responsabilités excessives.

La Loi sur la Sécurité des États-Unis offre un autre avantage à l'industrie : la Liste des Produits Approuvés (LPA). Toute technologie ou service qui reçoit la désignation la plus élevée en vertu de la Loi sur la Sécurité des États-Unis, c'est-à-dire la certification, est automatiquement ajouté à la LPA. Tous les groupes de premiers intervenants ont accès à cette liste et elle leur sert de guide pour l'achat de produits approuvés en matière de contre-terrorisme et de gestion des urgences. De plus, de nombreuses formes de subventions du gouvernement fédéral américain, des États et des municipalités contiennent des stipulations qui permettent aux groupes de premiers intervenants locaux d'acheter directement des produits figurant sur la LPA plutôt qu'en faire l'acquisition au moyen de longs et fastidieux processus concurrentiels. Ainsi, être inscrit sur la LPA est un avantage important dans la mise en marché de technologies et de service de contreterrorisme.

#### Table of contents

Abstract i				
Résuméi				
Executive summary				
Sommaireiv				
Table of contents				
1	Backg	Background1		
2	Objec	2 ective		
3	3 SAFETY Act Details			
	3.1	3.1 Qualifying Technologies and Services		
		gnation Levels		
		Applying for SAFETY Act Protection		
	3.	3.1	Registering and Creating an Account 4	
	3.	3.2	Completing the Application	
	3.4	Activ	vities after Application Submission to Support Designation Decision	
	3.	4.1	Notice of Completeness	
	3.	4.2	Request for Information (RFI)	
3.5		Activ	vities after Designation Decision	
	3.	5.1	Insurance Certification	
	3.5.2		Modification Notice	
3.		5.3	New Revisions of an Application	
4	Recon	Recommendations for Supporting for SAFETY Act Applications		
5	Supporting Materials and References 10			
An	nex A	Supp	ort Anti-terrorism by Fostering Effective Technologies Act of 2002 11	
Annex B US Department Of Homeland Security – Safety Act			Department Of Homeland Security – Safety Act	
Annex C SAFETY Act Application Kit				

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DRDC CSS CR 2011-21

1

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The goal of the SAFETY Act was to stimulate and expedite the introduction into service of counter-terrorism technology by managing the litigation risk facing companies who entered the market. The SAFETY Act thus provides legal liability protection for manufacturers and sellers of designated anti-terrorism technologies and services. Importantly, the protection only applies to claims resulting from an act of terrorism, and does not limit the liability in other instances. For example, a drug that is developed to treat illnesses (eg. ciprofloxacin) may have side effects that create liability. In normal use the manufacturer or supplier of the drug is subject to normal litigation, but if the drug is used to treat individuals exposed to a biological agent attack the SAFETY Act protects the manufacturer or supplier of the drug from excessive liability.

The SAFETY Act also creates a second benefit to industry through the creation of the Approved Product List (APL). Any technology or service that receives the highest designation within the SAFETY Act, ie Certification, is automatically added to the APL which is available to all first responder groups as a guide to buying approved products for counter-terrorism and emergency management. In addition, many forms of National, State and Municipal grants have stipulations that allow local first responder groups to buy products from the APL directly rather than going through long and tedious competitive processes. Thus being on the APL is a major advantage in marketing counter-terrorism technology and services.

The objective of this document is to provide insight to Canadian industry partners of the CRTI/PSTP program into successfully applying for designation under the SAFETY Act, and preferably to be added to the APL. This will enable Canadian companies to access these markets with the outputs of CRTI or PSTP projects. The study also suggests how DRDC-CSS can support Canadian companies receiving designation under the SAFETY Act.

As mentioned above the SAFETY Act goal is to facilitate and expedite exploitation of new technology and services to the benefit of the US in preparing for, preventing, responding to and recovering from terrorist events. Three levels of designation are possible and the whole process is designed to be completed in less than 120 days from original application. The information below summarizes the process that is used to assess and designate technologies under the Act.

#### 3.1 Qualifying Technologies and Services

Essentially any hardware, software or service that provides a capability to prevent, prepare for, respond to or recover from a terrorist attack may qualify for SAFETY Act Designation. Some examples include sensor systems, threat/vulnerability assessments, decision support, crisis management, screening services, etc. The key is to demonstrate that the technology or service provides a critical capability that may not be made available to US first responders unless the legal liability issues are limited by the US government SAFETY Act.

#### 3.2 Designation Levels

There are three levels of designation that are based on the maturity of the technology or service and its impact on counter-terrorism, and they provide two levels of liability protection to the producers.

The top category is termed "Certification" which implies that the technology or service has reached TRL8 maturity, has already been "Designated", is critical for counter-terrorism capability and is available for deployment by public and private groups immediately. Because the technology or service has been proven to be consistently effective, reproducible, reliable, available and maintainable the provider is allowed to assert Government Contractor Defense and the technology or service is placed on the Approved Product List for Homeland Security. Within the CRTI/PSTP programs this designation would be reserved for the outputs of Technology Acceleration (TA) projects or the Canadian Innovation Commercialization Program (CICP), and would be fully commercialized and in service. The duration of this designation is 5 years after which time re-certification is required.

The middle category is termed "Designation" which implies that the technology or service has reached TRL7 maturity. In this case the technology is confirmed through limited testing to be effective in operational environments, is ready for commercialization and has received positive feed-back from customers. There must also be a plan to completed quality assurance testing and commercialization. Within a "Designation" level the provider's liability is limited to the amount of liability insurance protection that must be purchased after negotiations with the Department of Homeland Security. Within the CRTI/PSTP program technologies and services produced by Technology Demonstration (TD) projects would normally be mature enough to qualify for this designation. The duration of this designation is 5 years after which time re-designation or certification is required.

The lowest category is termed "Development Testing and Evaluation (DT&E) Designation" for those products and services in the prototype stage that have reached roughly TRL5 maturity. In this case the designation provided covers the liability while the technology or service is being tested in an operational environment and/or is in use operationally while full development is being completed. The duration of this designation is for 3 years.

As mentioned above, the importance of achieving the Certification level is high. This is because the Approved Product List is widely available to first responder groups and other potential customers. Further, State and Municipal governments receive funds for emergency preparedness and terrorist response which can be used to purchase equipment from the Approved Product List without competition in some cases. Further if a product is placed on the Approved Product List the supplier and purchaser of the technology or service is indemnified against legal liability so that only the producer of technology or capability is required to have insurance. Thus for a Canadian company to achieve market success in the US, being on the Approved Product List is a great advantage in accessing key customer groups and potential suppliers in the US.

#### 3.3 Applying for SAFETY Act Protection

In order to receive liability protection under the SAFETY Act, a technology or service must achieve DT&ED, Designation or Certification status through an application process. Submitting an application is a two stage process. The process can be completed on-line at <u>https://www.safetyact.gov/</u> and includes the following tasks:

- Creating an Account
- Submitting an Application

The process can also be completed off-line and submitted as a pdf file. Also, follow-on information under Sections 3.4 and 3.5 can be completed on-line or off-line.

#### 3.3.1 Registering and Creating an Account

The first step is creating an account which registers the user name and allows the user to create a password which must be at least eight characters and contain upper and lower case letters and a number or symbol among the characters. The account creation page also asks for a DUNS number and a NAIC Code for the company creating the account

The Data Universal Numbering System (DUNS) number which is obtainable from Dun and Bradstreet Canada at http://www.dnb.ca/get-a-duns-number.html, is a universal numbering system that provides a unique number of a business. The North American Industry Classification (NAIC) System provides a standard code that identifies the type of business that is submitting the application and а coding guide is available from **Statistics** Canada at http://stds.statcan.gc.ca/naics-scian/2007/ns-rn-eng.asp.

Once this information is provided the account is created and an application can be completed and submitted.

#### 3.3.2 Completing the Application

To complete an application the applicant must log in to the system and provide the requested information. An opportunity is provided to access pre-submission consulting services from DHS to determine if the technology or service is likely to be accepted for designation, and what type of application (Certification, Designation or DT&ED) should be submitted based on the perceived maturity of the technology or service.

#### 3.4 Activities after Application Submission to Support Designation Decision

#### 3.4.1 Notice of Completeness

After DHS receives an application they perform a Completeness Check. The applicant will receive an email notification when this phase is complete. If DHS determines the application to be complete but they require more information in order to perform a full evaluation, the applicant will be asked to submit a Completeness Response. If the application is determined to be Incomplete the applicant will receive specifics in an email notification and will have the opportunity to resubmit the application.

When the applicant logs in to the account a Completion Notice will provide details of the additional information that is required. Once this is complete and accepted the application will enter the evaluation phase.

#### 3.4.2 Request for Information (RFI)

During the evaluation phase, if the reviewers require additional information to make a decision then a Request for Information is sent via e-mail to the applicant. This information might be related to testing in operational environments, reports by customers on performance and value, and any other information that can help the reviewers make a decision on the level of the designation.

Since the highest designation level (Certification) is required to be placed on the Approved Products List, the goal should be to achieve this level or at least the Designation level in order to access first responder markets in the US. Thus it is important to provide key information that will allow the reviewers to give the technology or service a higher designation. Key factors that impact the designation decision and level are:

- Current customers and in-service feed-back on value in counter-terrorism;
- Maturity of the technology or service;
- Consequences of not employing the technology or service;
- Reliability, availability and supportability of the technology for deployment;
- Unusually high or unquantifiable liability for provider of technology or service; and,
- Proven effectiveness through operational testing.

Providing the correct information in a clear and understandable form can be challenging and costly for some providers, and DRDC-CSS can help by explaining the types of information required, by providing guidance on preparing the submissions, and by allowing costs for preparing submissions as eligible expenses under CRTI and PSTP projects. This will be discussed in more detail in Section 4. The RFI can be completed either on-line or off-line.

#### 3.5 Activities after Designation Decision

#### 3.5.1 Insurance Certification

One of the key features of the SAFETY Act is that it provides important legal liability protections for manufacturers and sellers of technologies and services that could save lives in the event of a terrorist attack. Therefore, this stage of the process is very important.

Once the technology or service receives a Designation or Certification approval, DHS requests that the provider submit insurance information. The information is then used to negotiate limits of liability protection that the US Government will provide for the technology or service. Basically, the US Government wishes to ensure that obtaining insurance protection does not either distort the price or prevent commercialization of important counter-terrorism technology. Therefore, it is important to provide information that:

- Indicates the current level of insurance protection that the provider has and if there are issues in obtaining insurance for the new technology or service;
- The potential required insurance based on the projected sales as well as the potential liability as a result of using the technology or service; and,
- The impact of obtaining sufficient insurance on the marketability of the technology or service in terms of cost or availability to a wide variety of end users.

#### 3.5.2 Modification Notice

Once the technology or service is listed as Designated, or is Certified and appears on the Approved Product List, it is incumbent on the provider to notify DHS of any substantive changes to the Technology or Service that could affect its performance, cost, availability, etc. This is known as a modification notice. Again this can be completed on-line or off-line.

#### 3.5.3 New Revisions of an Application

If the applicant has an application that was denied, withdrawn or closed, it can be re-submitted using a "New Revision" Application once the reasons for denial or withdrawing it have been addressed. Also, if the applicant already has one or more technologies or services that are Designated or Certified, and wishes to apply for Certification of an additional technology or service the same process is used. The process of creating a New Revision application benefits the applicant as it pulls in information from previously closed or designated applications. In other words much of the information from the applicant already exists so does not have to be re-entered in the new application.

## 4 Recommendations for Supporting for SAFETY Act Applications

Within the CRTI and PSTP programs the goal to increase the commercial success of the outputs of the projects can be partly achieved by helping industry partners gain access to larger markets in the US. Being a designated technology or service under the SAFETY Act, and appearing on the Approved Products List is a key to success in accessing the US markets. Therefore, aiding industry partners of the CRTI and PSTP programs in applying and receiving positive status under the SAFTEY Act is a valuable service that DRDC-CSS can supply.

The roles and support that DRDC-CSS can provide fall under four categories:

- Support to applying for a designation under the SAFETY Act through allowing the application to be an eligible expense for TD and TA project, and providing guidance on the application process;
- Acting as first customer through limited buys for TD and/or TA projects to increase the likelihood of the technology or service achieving Certified status and a place in the Approved Products List;
- Sponsoring testing to provide evidence of value and performance in operational environments that increase the TRL of the technology or service and provide evidence for the evaluation process under the SAFETY Act; and,
- Working with DHS to develop qualified processes and testing protocols that would be accepted as meeting requirements for qualification in the US.

The application process for designation under the SAFETY Act is complex enough that having the resources and skill to submit the best application in order to receive the highest designation is likely to be difficult for many of the industry partners within the CRTI and PSTP programs. In addition, many do not understand the value of being designated or certified under the SAFETY Act in terms of access to the US first responder market, so they do not apply. Further, many of the partners lack credibility in the US, so the supporting information from customers, end users and credible organizations such as DRDC-CSS becomes critical in achieving success.

Therefore, DRDC-CSS could play a key role in supporting commercialization success of CRTI outputs by improving access to the US market by increasing the proportion of outputs of the TD and TA projects in the CRTI program that receive Certified status under the SAFETY Act.

First, the cost of application (time and level of effort) should become an eligible expense for all TD and TA process. This would encourage industry partners to apply more often because the costs would be covered. At the same time by educating industry partners on the value of SAFETY Act Certification in accessing the highly dispersed customer community in the US and in providing liability protection for them while they are using the technology or service. State and municipal first responder groups often receive funding for counter-terrorism technology purchases with a proviso that they either buy technology from the Approved Product List or

engage in a length process to select and receive approval for a technology or service that is not on the List. Thus most choose the technology or service from the APL as the first choice.

Second, DRDC-CSS could become the "first buyer" either by taking advantage of the CICP program or partially funding acquisition and exploitation of the outputs of the program by first responder groups. Either or both of these efforts would provide critical end user feed-back that forms the basis of the decision process for differentiating between Designated and Certified status. By demonstrating that the technology or service is operational in Canada, many of the key criteria for designation status are fulfilled because the technology or service is proven to be available and capable. Further, by eliciting positive feed-back from the users on the criticality and performance level, the industry applicant can prove to DHS that their technology or service fills an operational capability gap and thereby achieve Certification status, and access to first responder groups throughout the US through the APL.

Third, DRDC-CSS could sponsor specific operational tests in the US (or equivalent ones in Canada) that demonstrate the value and importance of the outputs of the CRTI projects. Proof of reproducible performance in operational environments is a major criterion in determining the designation status and is a key to achieving Certification. Thus, by sponsoring operational testing as designed by the intended customers in the US, the provider will gain credibility and access to potential customers. This is very important in establishing a customer base in the US upon which to demonstrate a sustainable business.

Finally, DRDC-CSS should work with the DHS to gain higher profile for the outputs of the CRTI and PSTP programs in the US, perhaps by sponsoring a Canadian technology day at the Canadian Embassy in Washington with the concurrence and support of the DHS. This type of event provides the "critical mass" needed to attract a broad range of potential customers to the see the technologies and services that have been developed through the CRTI and PSTP programs.

DRDC CSS CR 2011-21

There are many supporting documents available at the US Department of Homeland Security SAFETY Act web site, <u>https://www.safetyact.gov/</u>.

Key references are two powerpoint presentations, the SAFETY Act 101 Primer and ASapplicantGuide. The Primer provides a briefing on the SAFETY Act objectives, eligibility, and the criteria and value of each of the designation levels. The ASapplicantGuide provides a step-by-step guide to applying for designation on-line. An additional Adobe pdf file, SAFETY Act Application kit, provides an off-line application form and detailed guidance on filling it out. All three are available on the web site and are attached below.

DRDC CSS CR 2011-21

### Subtitle G—Support Anti-terrorism by Fostering Effective Technologies Act of 2002 SEC. 861. SHORT TITLE.

This subtitle may be cited as the "Support Anti-terrorism by Fostering Effective Technologies Act of 2002" or the "SAFETY Act".

#### SEC. 862. ADMINISTRATION.

(a) IN GENERAL.—The Secretary shall be responsible for the administration of this subtitle.(b) DESIGNATION OF QUALIFIED ANTI-TERRORISM TECHNOLOGIES.

—The Secretary may designate anti-terrorism technologies that qualify for protection under the system of risk management set forth in this subtitle in accordance with criteria that shall include, but not be limited to, the following:

(1) Prior United States Government use or demonstrated substantial utility and effectiveness.

(2) Availability of the technology for immediate deployment in public and private settings.

(3) Existence of extraordinarily large or extraordinarily unquantifiable potential third party liability risk exposure to the Seller or other provider of such anti-terrorism technology.

(4) Substantial likelihood that such anti-terrorism technology will not be deployed unless

protections under the system of risk management provided under this subtitle are extended.

(5) Magnitude of risk exposure to the public if such antiterrorism technology is not deployed.

(6) Evaluation of all scientific studies that can be feasibly conducted in order to assess the capability of the technology to substantially reduce risks of harm.

(7) Anti-terrorism technology that would be effective in facilitating the defense against acts of terrorism, including technologies that prevent, defeat or respond to such acts.

(c) REGULATIONS.—The Secretary may issue such regulations, after notice and comment in accordance with section 553 of title 5, United States Code, as may be necessary to carry out this subtitle.

#### SEC. 863. LITIGATION MANAGEMENT.

(a) FEDERAL CAUSE OF ACTION.-

(1) IN GENERAL.—There shall exist a Federal cause of action for claims arising out of, relating to, or resulting from an act of terrorism when qualified anti-terrorism technologies have been deployed in defense against or response or recovery from such act and such claims result or may result in loss to the Seller. The substantive law for decision in any such action shall be derived from the law, including choice of law principles, of the State in which such acts of terrorism occurred, unless such law is inconsistent with or preempted by Federal law. Such Federal cause of action shall be brought only for claims for injuries that are proximately caused by sellers that provide qualified anti-terrorism technology to Federal and non-Federal government customers.
(2) JURISDICTION.—Such appropriate district court of the United States shall have original and exclusive jurisdiction over all actions for any claim for loss of property, personal injury, or death arising out of, relating to, or resulting from an act of terrorism when qualified anti-terrorism technologies have been deployed in defense against or response or recovery from such act and such claims result or may result in loss to the Seller.

(b) SPECIAL RULES.—In an action brought under this section for damages the following provisions apply:

(1) PUNITIVE DAMAGES.—No punitive damages intended to punish or deter, exemplary damages, or other damages not intended to compensate a plaintiff for actual losses may be awarded, nor shall any party be liable for interest prior to the judgment.

(2) NONECONOMIC DAMAGES.—

(A) IN GENERAL.—Noneconomic damages may be awarded against a defendant only in an amount directly proportional to the percentage of responsibility of such defendant for the harm to the plaintiff, and no plaintiff may recover noneconomic damages unless the plaintiff suffered physical harm.

(B) DEFINITION.—For purposes of subparagraph (A), the term "noneconomic damages" means damages for losses for physical and emotional pain, suffering, inconvenience, physical impairment, mental anguish, disfigurement, loss of enjoyment of life, loss of society and companionship,

loss of consortium, hedonic damages, injury to reputation, and any other nonpecuniary losses. (c) COLLATERAL SOURCES.—Any recovery by a plaintiff in an action under this section shall be reduced by the amount of collateral source compensation, if any, that the plaintiff has received or is entitled to receive as a result of such acts of terrorism that result or may result in loss to the Seller.

(d) GOVERNMENT CONTRACTOR DEFENSE.-

(1) IN GENERAL.—Should a product liability or other lawsuit be filed for claims arising out of, relating to, or resulting from an act of terrorism when qualified anti-terrorism technologies approved by the Secretary, as provided in paragraphs (2) and (3) of this subsection, have been deployed in defense against or response or recovery from such act and such claims result or may result in loss to the Seller, there shall be a rebuttable presumption that the government contractor defense applies in such lawsuit. This presumption shall only be overcome by evidence showing that the Seller acted fraudulently or with

willful misconduct in submitting information to the Secretary during the course of the Secretary's consideration of such technology under this subsection. This presumption of the government contractor defense shall apply regardless of whether the claim against the Seller arises from a sale of the product to Federal Government or non-Federal Government customers.

(2) EXCLUSIVE RESPONSIBILITY.—The Secretary will be exclusively responsible for the review and approval of antiterrorism technology for purposes of establishing a government contractor defense in any product liability lawsuit for claims arising out of, relating to, or resulting from an act of terrorism

when qualified anti-terrorism technologies approved by the Secretary, as provided in this paragraph and paragraph (3), have been deployed in defense against or response or recovery from such act and such claims result or may result in loss to the Seller. Upon the Seller's submission to the Secretary for

approval of anti-terrorism technology, the Secretary will conduct a comprehensive review of the design of such technology and determine whether it will perform as intended, conforms to the Seller's specifications, and is safe for use as intended. The Seller will conduct safety and hazard analyses on such technology and will supply the Secretary with all such information.

(3) CERTIFICATE.—For anti-terrorism technology reviewed and approved by the Secretary, the Secretary will issue a certificate of conformance to the Seller and place the antiterrorism technology on an Approved Product List for Homeland Security.

(e) EXCLUSION.—Nothing in this section shall in any way limit the ability of any person to seek any form of recovery from any person, government, or other entity that—

(1) attempts to commit, knowingly participates in, aids and abets, or commits any act of terrorism, or any criminal act related to or resulting from such act of terrorism; or (2) participates in a conspiracy to commit any such act of terrorism or any such criminal act.

#### SEC. 864. RISK MANAGEMENT.

(a) IN GENERAL.-

(1) LIABILITY INSURANCE REQUIRED.—Any person or entity that sells or otherwise provides a qualified anti-terrorism technology to Federal and non-Federal Government customers ("Seller") shall obtain liability insurance of such types and in such amounts as shall be required in accordance with this

section and certified by the Secretary to satisfy otherwise compensable third-party claims arising out of, relating to, or resulting from an act of terrorism when qualified anti-terrorism technologies have been deployed in defense against or response or recovery from such act.

(2) MAXIMUM AMOUNT.—For the total claims related to 1 such act of terrorism, the Seller is not required to obtain liability insurance of more than the maximum amount of liability insurance reasonably available from private sources on the world market at prices and terms that will not unreasonably

distort the sales price of Seller's anti-terrorism technologies.

(3) SCOPE OF COVERAGE.—Liability insurance obtained pursuant to this subsection shall, in addition to the Seller, protect the following, to the extent of their potential liability for involvement in the manufacture, qualification, sale, use, or operation of qualified anti-terrorism technologies deployed in defense against or response or recovery from an act of terrorism:

(A) Contractors, subcontractors, suppliers, vendors and customers of the Seller.

(B) Contractors, subcontractors, suppliers, and vendors of the customer.

(4) THIRD PARTY CLAIMS.—Such liability insurance under this section shall provide coverage against third party claims arising out of, relating to, or resulting from the sale or use of anti-terrorism technologies.

(b) RECIPROCAL WAIVER OF CLAIMS.—The Seller shall enter into a reciprocal waiver of claims with its contractors, subcontractors, suppliers, vendors and customers, and contractors and subcontractors

of the customers, involved in the manufacture, sale, use or operation of qualified anti-terrorism technologies, under which each party to the waiver agrees to be responsible for losses, including business interruption losses, that it sustains, or for losses sustained by its own employees resulting from an activity resulting from an act of terrorism when qualified anti-terrorism technologies have been deployed in defense against or response or recovery from such act.

(c) EXTENT OF LIABILITY.—Notwithstanding any other provision of law, liability for all claims against a Seller arising out of, relating to, or resulting from an act of terrorism when qualified anti-terrorism

technologies have been deployed in defense against or response or recovery from such act and such claims result or may result in loss to the Seller, whether for compensatory or punitive damages or for contribution or indemnity, shall not be in an amount greater than the limits of liability insurance coverage required to be maintained by the Seller under this section.

#### SEC. 865. DEFINITIONS.

For purposes of this subtitle, the following definitions apply:

(1) QUALIFIED ANTI-TERRORISM TECHNOLOGY.—For purposes of this subtitle, the term "qualified anti-terrorism technology" means any product, equipment, service (including support services),

device, or technology (including information technology) designed, developed, modified, or procured for the specific purpose of preventing, detecting, identifying, or deterring acts of terrorism or limiting the harm such acts might otherwise cause, that is designated as such by the Secretary.

(2) ACT OF TERRORISM.—(A) The term "act of terrorism" means any act that the Secretary determines meets the requirements under subparagraph (B), as such requirements are further defined and specified by the Secretary.

(B) REQUIREMENTS.—An act meets the requirements of this subparagraph if the act—(i) is unlawful;

(ii) causes harm to a person, property, or entity, in the United States, or in the case of a domestic United

States air carrier or a United States-flag vessel (or a vessel based principally in the United States on which United States income tax is paid and whose insurance coverage is subject to regulation in the United States), in or outside the United States; and (iii) uses or attempts to use instrumentalities, weapons or other methods designed or intended to cause mass destruction, injury or other loss to citizens or institutions of the United States.

(3) INSURANCE CARRIER.—The term "insurance carrier" means any corporation, association, society, order, firm, company, mutual, partnership, individual aggregation of individuals, or any other legal entity that provides commercial property and casualty insurance. Such term includes any affiliates

of a commercial insurance carrier.

(4) LIABILITY INSURANCE.-

(A) IN GENERAL.—The term ''liability insurance'' means insurance for legal liabilities incurred by the insured resulting from—

(i) loss of or damage to property of others;

(ii) ensuing loss of income or extra expense incurred because of loss of or damage to property of others;

(iii) bodily injury (including) to persons other than the insured or its employees; or

(iv) loss resulting from debt or default of another.

(5) LOSS.—The term "loss" means death, bodily injury, or loss of or damage to property, including business interruption loss.

(6) NON-FEDERAL GOVERNMENT CUSTOMERS.—The term ''non-Federal Government customers'' means any customer of a Seller that is not an agency or instrumentality of the United States Government with authority under Public Law 85–804 to provide for indemnification under certain circumstances for

third-party claims against its contractors, including but not limited to State and local authorities and commercial entities.

#### Annex B US Department Of Homeland Security – Safety Act

Safety Act Overview Briefing

Full briefing at https://www.safetyact.gov/ called "Safety Act 101 Briefing"

SAFETY Act Application Process Briefing

Full briefing at https://www.safetyact.gov/ called "Step-by-step User Guide"



## Protecting you, Protecting U.S.

# **SAFETY Act**

## May 2011

The Support Anti-terrorism by Fostering Effective Technologies Act of 2002



## Homeland Security



## A Summary of the SAFETY Act

- The Support Anti-terrorism by Fostering Effective Technologies Act of 2002 (SAFETY Act) was enacted as part of the Homeland Security Act of 2002 (Title VIII, Subtitle G)
- Intended to facilitate the development and deployment of <u>effective anti-terrorism technologies</u> by creating systems of "risk management" and "litigation management"
- Provides important legal liability protections for manufacturers and sellers of technologies and services that could save lives in the event of a terrorist attack
- Protections apply only to claims arising out of, relating to, or resulting from an <u>Act of Terrorism</u>



## What is Eligible for SAFETY Act Protections?

The SAFETY Act liability protections apply to a wide range of technologies, including:

- Products
- Services
- Software and other forms of intellectual property

# Homeland

# Examples of eligible technologies:

- Threat and vulnerability assessment services
  - Detection Systems
  - •Blast Mitigation Materials
    - Screening Services
  - Sensors and Sensor Integration
    - Threatening Object Detectors
      - Decision Support Software
        - Security Services
    - Crisis Management Systems
    - •Cyber Security Technologies

1. Two Principal Levels of Protection

Certification: High confidence it will continue to be effective.

Designation: Proven effectiveness.

DTED: Additional evidence of effectiveness needed. Shows potential.





Government Contractor Defense

> Liability Cap

## 2. Benefits of Designation



- Liability = Insurance required by DHS
- Exclusive action in Federal Court
- No Joint and Several Liability for noneconomic damages
- No punitives or prejudgment interest
- Recovery reduced by amounts from collateral sources



## 3. Benefits of Certification

Benefits of Designation +



- Assert Government Contractor Defense
  - Even if not selling to a Government entity
  - Includes services and COTS
- Placed on SAFETY Act's Approved Product List for Homeland Security



4. SAFETY Act Protections Extend to Users (whether Designation or Certification)

"Such cause of action may be brought <u>only</u> <u>against the Seller</u> of the QATT and may <u>not be</u> <u>brought against the buyers, the buyers'</u> <u>contractors, downstream users of the QATT</u>, the Seller's suppliers or contractors, or any other person or entity..."

-Preamble to Final Rule, 6 CFR Part 25, at 33150.



## 5. Criteria for Designation

- Prior United States Government use or demonstrated substantial utility and effectiveness
- Availability of the Technology for immediate deployment in public and private settings
- Existence of extraordinarily large or unquantifiable potential third party liability risk exposure to the Seller or other provider of the technology
- Substantial likelihood that the Technology will not be deployed unless SAFETY Act risk management protections are extended
- Magnitude of risk exposure to the public if the Technology is not deployed
- Evaluation of scientific studies that can be feasibly conducted in order to assess the capability of the Technology to substantially reduce risks of harm
- Whether the Technology is effective in facilitating the defense against Acts of Terrorism
- ATT determination made by Federal, State, or Local officials



Red=Technical criterion Blue=Economic criterion

8

## 5a. How to Establish Effectiveness

- Successful testing in operational environment
- Operational testing
  - Evidence of performance metrics, including:
    - ✓ Probability of Detection
    - ✓ False Positive and False Negative Rates
    - $\checkmark\,$  Limits of Detection (and why that limit is relevant)
    - ✓ Interferrents
    - ✓ Maintenance and Training
- Suitable performance of past deployments documented
- Domain expertise appropriate and available
- In/external audits favorable
- Customer feedback favorable
- QA plans documented
- Repeatability proven



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## 6. Criteria for Certification



Designation is a prerequisite for granting Certification

To receive Certification, a Qualified Anti-terrorism Technology must also be shown to:

- Perform as intended
- Conform to the Seller's specifications
- Be safe for use as intended

Seller is required to provide safety and hazard analyses



## 6a. Performs as Intended

High confidence it will continue to be effective

- Consistent positive results (e.g., long-term low failure rates and false alarms)
- Reliability/Availability is high (e.g., MTBF)
- Performs in accordance with performance specifications
- Installation, use, maintenance procedures proven
- Documented processes (e.g., training, hiring, technology refresh) are being followed
- Standards are identified and met
- QA/QC processes are effective




#### **Essential Concepts**

7. DT&E Designation

For technology that:



- Is in a prototype stage
- Has lab tests that are not operational in nature (too controlled)
- Indicated potential effectiveness
- Has a testing scenario identified and "customers" to prove relevant metrics
- Limited term (up to 3 yr) and limited number of sites





#### **Essential Concepts**

#### 8. SAFETY Act Award Summary

	DTED	Designation	Certification
Effectiveness Evaluation	Needs more proof, but potential exists	Proven effectiveness (with confidence of repeatability)	Consistently proven effectiveness (with high confidence of enduring effectiveness)
Protection	Liability cap only for	Liability cap for any and all	Government Contractor of Defense (GCD)
	identified test event(s) and for limited duration (≤3yrs)	deployments made within 5-8 year term	for any and all deployments made within 5-8 year term





#### **Timeline of SAFETY Act Application Review Process**







### How is Your Proprietary Data Protected? Protected?

- Strong data protection measures that conform to DHS information security standards
- All application reviewers are screened for conflicts of interests, sign conflict of interest statements for each application they review, and sign general nondisclosure agreements



#### Who are the SAFETY Act Reviewers?

- Conflict of Interest & Non-Disclosure Agreement signed by each reviewer per application.
- Three Technical Reviewers and two Economic Reviewers per application.
- Reviewers from the FFRDCs, non-profits, Federal Government, Federal & National Labs, and Academia.
- 100+ already trained reviewers (SMEs) in:



ecurif



### **SAFETY Act Progress**





Homeland Security

### **Applications by Company Size**





**Small** = \$0 - \$50,000,000 **Medium** = \$50,000,000 - \$1,000,000,000 **Large** = Over \$1,000,000,000 by Net Revenue

#### Awards by State





# THE SAFETY ACT

# LOOKING &HE&D...

# AREAS OF EMPHASIS....

### **CRITICAL INFRASTRUCTURE**







Security

## **TRANSPORTATION SECURITY**



### **SAFER PRODUCTS & PROCESSES**





### **COMMERCIAL FACILITIES**







### **SMALL BUSINESS**





Homeland Security







## **PUBLIC VENUES**





Homeland Security

### **Additional SAFETY Act Information**



- Online: <u>www.safetyact.gov</u>
  - FAQs
  - Help Topics
  - Help Desk: Online form for questions requiring an individual response
- Email: <u>SAFETYActHelpDesk@dhs.gov</u>
- Toll-Free: 1-866-788-9318





### User Guide Applicant



### SAFETY ACT



#### **Table of Contents**

#### What is the SAFETY Act? Applicant Guide Help Desk





#### What is the SAFETY Act?

As part of the Homeland Security Act of 2002, Public Law 107-296, Congress enacted the SAFETY Act. The SAFETY Act provides incentives for the development and deployment of anti-terrorism technologies by creating a system of "risk management" and a system of "litigation management." The purpose of the Act is to ensure that the threat of liability does not deter potential manufacturers or Sellers of anti-terrorism technologies from developing and commercializing technologies that could significantly reduce the risks or mitigate the effects of large-scale terrorist events. The Act thus creates certain liability limitations for "claims arising out of, relating to, or resulting from an act of terrorism" where qualified anti-terrorism technologies have been deployed.

#### **Applicant Guide**

- <u>Creating an Applicant Account</u>
- Submitting an Application
- <u>Completion Notice</u>
- <u>Request for Information (RFI)</u>
- Insurance Certification
- Modification Notice
- New Revisions of an Application
- <u>Change Password</u>







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#### **Applicant Registration**

Fields marked with an asterisk (\*) are required.

		UNCLASSI	FIED		
City:					
Street Address:					
Last Name:					
First Name:					
Primary Point of C	ontact				
How did you hear SAFETY Act?	about thePlease Make	a Selection-	*		
NAICS Code:	about the				
DUNS Number:	1 number or special	character.		rtogiotiati	
	contain at least 1 up	percase letter, 1 lov		Registrati	
Confirm Passwor	<b>Note:</b> Your Passwo	rd must be 8-12 ch	aracters long and	Applio	
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				Submit	
User Name:		1	-	Submit	
legistration Data				Cancel	

#### **Applicant Registration**

AND

Fields marked with an asterisk (\*) are required.

Registration Data		Cancel
* <u>User Name:</u>	JOHNDOE	Submit
*Password:	•••••	
*Confirm Password:		
*Seller Name:	User Guide	Oliale
DUNS Number:	259	Click
NAICS Code:	2451-5562	"Submit"
*How did you hear about the SAFETY Act?	Conference	×
	Please Provide More Information:	
	SAFETY Act Workshop in Arlington,	Va on 11/16/2007
Primary Point of Contact		
	John	
Primary Point of Contact *First Name: *Last Name:	John	

#### **Registration Successful**

Your registration form was successfully submitted. You will receive an e-mail notification when your account has been approved. It may take a few minutes for your account to be activated.

> OK Click "OK"

If you have successfully submitted your registration this notice will display confirming your success.



# Before you create an application you must create an applicant account.

See Creating an Applicant Account







#### **QATT** Application

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Important: Read carefully and Designation Application.	comply precisely with the related Instructions for co	mpleting a	Submit as Final Change Application Type Application Instructions	
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			2. Application Details 3. Related Links	
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Seller Name	User Guide		on. You will need	
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to take effect.

#### APPLICATION DETAILS

#### APPLICATION TYPE and PURPOSE

**D1.** Type of Application

Initial Filing

#### D1.1.\* Public Web site Listing

If your Technology is awarded SAFETY Act coverage, you have the opportunity to be listed on the SAFETY Act website as a Designated Seller of a Qualified Anti-Terrorism Technology (QATT). [For example, if you apply for Designation and Certification and receive Designation, your technology will be listed under Designated Technologies. Or, if you are granted DT&E Designation, regardless of which protection you applied for, you will be so listed on the Web site. Note: By statute, all Certified Technologies will be displayed in the Approved Products List for Homeland Security on the Web site.]

(Choose one)

I wish to have this technology listed on the public website under the appropriate classification.

OI do not wish to have this technology listed on the public website under the approp classification.

#### D2. Request for Expedited Review

In its discretion, the Department may identify categories of anti-terrorism technologies expedited processing may be granted. For example, the Under Secretary may conduct processing for applications that are the subject of a pending Federal, State or local pro address a particular threat, that involve particular types of anti-terrorism technologies, reasons. If you are requesting expedited review, please specify the basis for such a re applicable, information concerning an ongoing procurement. Such information should following:

a. The name of procuring organization;

b. Contact information for relevant Government procurement officials;

c. The related Request for Proposal (RFP) number or other official identifier of the procurement, if available; and

Complete the webform in its entirety. Be sure to fill in all required fields (marked with an asterisk) and upload the required "ATTDetails" file.

Cancel Save as Draft Save as Draft & Close Submit as Final Change Application Type Application Instructions

ACTIONS

#### SECTIONS 1. Seller Information

2. Application Details 3. Related Links



- You have three options after completing the Application:
  - Save As Draft
    - It is strongly suggested that you save as draft regardless of your final selection to prevent the loss of information due to computer failure.
  - Save As Draft & Close
    - You will be able to edit your application. This option does not submit your application to DHS.
  - Submit as Final
    - This option will submit your application to DHS. You will not have the ability to edit your application after this point. Ensure that all necessary information for evaluation of your application is included.



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Initial Filing			
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following:			



Application ID Number changed to:

Q-JOHNDOE-JD001-1

After you have selected "Save As Draft" this window will appear identifying your new Application ID.

This ID will then be used to track your application.

Select "OK" to return to your application.

Microsoft Internet Explorer

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complete.	Submit
Accept/Sign	Before you can complete your application submission you must sign and accept
Title (if applicable):	the online declaration.
	Enter your Name and Title

S DEPARTMENT S DEP

Signature:

Date:
# Submitting an Application

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Prepared By:	John Doe		
Title (if applicable):	CEO	previous	ave completed the step correctly your
Signature:	✓ (signed electronically via web)	complete	ration should be by filled out and you select "Submit"
Date:	Thursday November 8, 2007	7	





# After you submit your application you will return to the home page.



After DHS receives your application they will perform a Completeness Check. You will receive an email notification when this phase is complete. If DHS determines your application to be complete but they require more information in order to perform a full evaluation, you will be asked to submit a Completeness Response. If your application is determined to be Incomplete you will receive specifics in your email notification and will have the opportunity to resubmit your application.

S DEPARTMENT





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the named recipient. It is confidential, and may be legally protected and/or privileged. If the reader of this message is not the intended recipient, you are hereby notified that the dissemination, distribution, or copying of this communication, or any part thereof, is strictly prohibited. If you have received this communication in error please return to the sender and delete the original

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- You have three options after completing the response:
  - Save As Draft
    - It is strongly suggested that you save as draft regardless of final selection to prevent the loss of information due to computer failure.
  - Save As Draft & Close
  - Submit as Final







Upload files using the "Browse" buttons below.

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When you select "Submit As Final" you will receive a prompt confirming that you wish to submit the Completeness Response. Select "OK" to continue or "Cancel" to make changes to your application.

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During the evaluation process, OSAI may require more information about your technology before making a final decision. If you receive an email referring to an RFI (Request For Information), you will be asked to submit a RFI Response.







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Applicant ID	JOHNDOE	4. Related Links	-
Seller Name	User Guide		
Data Universal Numbering System (DUNS) Number	259		
North American Industry Classification System (NAICS) Code	2451-5562		
Principal POC Information		Select "Related I	_inks'
Name	John Doe		
Address	123 Test dr. Chantilly Virginia 20151 United States		
Telephone Number	703-555-6789		
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Request for Awaiting RFI Res		Created by brent admin 11/08/2007 01:05:11 PM Sent to Applicant by the Help Desk 11/08/2007	n
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Body:	applications to enal will be unable to de from the date of our this request by 11/2	accommodate reasonable delays in the processing of ole applicants to fully document their positions; however, we lay the processing of your application for more than 21 days 11/8/2007 request. Accordingly, if no response is received to 9/2007, your application will be considered abandoned and TY Act website. Please note, however, that no prejudice	
	attaches to the clos Office of SAFETY Ac contents of this RFI	Review the contents of the RFI. Select	

Select "RFI Response" under the Actions menu

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File Attachments			
Upload files using the "Browse" buttons below.			
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- You have three options after completing the response:
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    - It is strongly suggested that you save as draft regardless of final selection to prevent the loss of information due to computer failure.
  - Save As Draft & Close
  - Submit as Final



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		Select "Submit as Final" under the
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File Attachments		
submit multiple files in a single .ZIP.	pelow. n compressed .ZIP format to conserve bandwidth. '	You may also
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Save as Draft Save as Draft & C Submit as Final
Submit as Final
Response as Final, you will no longer be able to edit it. as Final? Cancel

continue or "Cancel" to make changes to your application.

AND IC.	ABOU	T FAQs	HELP	HELP REQUEST	FORMS & INFO	SECUR	ITY/PRIVACY NOTICE	DH5.GO
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	Note: The e application	envelop	e ico	n will no	ot appea	r next	to your	

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#### If you have been granted Designation or Designation & Certification, you will be asked to submit Insurance Information.







~	ABOUT	FAQs	HELP TOPICS	HELP REQUEST	FORMS & INFO	SECOR	ITY/PRIVACY NOTICE	DHS.GO
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ATT Application	Application ID #: Q-JOHNDOE-JD001-1	
teceived Via: Online Form dditional Attachments: No ecision: Designated tatus: Pending Initial Insurance waiting Insurance Certification	Initial Award Date: 11/08/2007 Insurance Due Date: 12/08/2007 Expiration Date: 11/08/2012	ACTIONS Close Printable Version Create Revision App Create Clone App Create Notice of Mod
revious		SECTIONS
RELATED LINKS Correspondence		1. Seller Information 2. Application Details 3. Declaration 4. Related Links
Completion Notice	11/08/2007	
Applicant Response	11/08/2007	
RFI: Tech RFI	11/08/2007	
Applicant Response	11/08/2007	
Award Decision	11/08/2007	
Insurance		
Marce Certification (DRAFT)	11/08/2007	
	Select "Insurance	e Certification"

AND



Insurance Information Response		Created on 11/08/2	2007 01:49:16 PM	ACTIONS		
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*Comments:	Insurance information r	esponse		Submit		
File Attachments:	Attach softcopy of the letter and/or r C:\Documents and Sett Browse Browse		Inform	ete the Insurance ation Response and attach any		
Related Links: insurance Certificat	ion (DRAFT)	11/08/2007	neces	sary documents nd Submit.		







ALL THE		ABOUT	FAQs	HELP TOPICS	HELP REQUEST	FORMS & INFO	SECURI	TY/PRIVACY DTICE	DHS.GOV
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#### The purpose of submitting a Modification Notice is to inform DHS that you have made changes or plan to make changes to your Designated Anti-terrorism Technology.




	ABOUT F	AQs HELP TOPICS	REQUEST	INFO	SECURITY/PRIVACY NOTICE	DHS.GOV	
Creating an Application OMB No. 1640-0001; Expires 01/31 Persons are not required to respon unless it displays a currently valid ( First Time Applicants: Applicants are strongly encoura Application Consultation. A Pre SAFETY Act Implementation (O completion and submission of to facilitate a process by which their Technology, so that OSAL submission of an Application for intended to facilitate discussion <u>Create New Pre Application (O Create New Designation Appl Create New Designation and and GCD Certification) <u>Create New DT&amp;E Designation</u> Designation) <u>Download and review full Appl</u></u>	d to this collection of OMB control number. Application Consu SAI) provides helpi a full SAFETY Act / a potential applica may, in turn, provid or SAFETY Act Des ns regarding the S/ request for Pre-App <u>ication</u> (full Applica <u>Certification Application</u> (full <u>in Application</u> (full	st submitting a F iltation is a volun ul guidance to p application. The F nt may provide O e potential applic gnation. The Pre AFETY Act Applic dication Consult ation for QATT De <u>cation</u> (full Appli Application for D structions	tary means thr otential applica Pre-Application (SAI with initial i cants with guida Application Co ation process. ation) esignation) cation for comb	ough which the O nts without requi Consultation is in information regar ance regarding th onsultation is als ined QATT Desig resting and Evalu	a Pre- office of ring the ntended rding te o solution and the solution of the ntended rding te o solution and the solution of	applications unt Center	nde lica

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ND SUC		ABOUT	FAQs	HELP	HELP REQUEST	FORMS & INFO	SECUR	ITY/PRIVACY NOTICE	DHS.GOV
Applications plications by JOH Denotes an applic	loor control [	Date ) response	From the a	applicant.	F	Previous Page	Next Page	Applica Create Application Procurement	nt Tools
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#### Modification to Designation

Submission Date: 11/08/2007

Fields marked with an asterisk (\*) are required. ACTIONS Cancel Delete \* Only submit this modification if you have made changes, or plan to make changes. to your designated ATT technology description. Save as Draft Save as Draft & Close Next Submit as Final Modification Instructions Important: Read carefully and comply precisely with the related Instructions for completing a Modification. SECTIONS 1. Seller Information After completing this Seller Information page, please proceed to the next section by selecting 2. Modification Details "Modification Details" on the Sections menu located on the right-hand side of this screen. 3. Related Links Please ensure the accuracy of the information below. If the information has changed: Select Edit My Account Info - Make the necessary changes to your Applicant Registration - Select Submit - Reset the Seller Information below using the "Reset Seller Information" Check the Seller Information then Reset Seller Information select "Modification Details" Note: Click here to update your Applicant information on your Application.

#### Modification to Designation

Submission Date: 11/08/2007

Fields marked with an asterisk (\*) are required.

\* Only submit this modification if you have made changes, or plan to make changes, to your designated ATT technology description.

Previous

Next Save as Draft & Close Submit as Final

Modification Instructions

SECTIONS

1. Seller Information 2. Modification Details

3. Related Links

Save as Draft

Cancel

Delete

ACTIONS

#### MODIFICATION DETAILS

M1. Seller Name

User Guide

#### M1.1. \* Public Web site Listing

If your Technology is awarded SAFETY Act coverage, you have the opportunity to be listed on the SAFETY Act Web site as a Designated Seller of anti-terrorism technologies. [For example, if you apply for

Designation and Certification and receive Designation, your Technology will Technologies. Or, if you are granted DT&E Designation, regardless of which you will be so listed on the Web site. Note: By statute, all Certified Technology

#### Complete the Modification Form

Approved Products List for Homeland Security on the Web site.]

(Choose one)

I wish to have this Technology listed on the public Web site under the appropriate classification.

O I do not wish to have this Technology listed on the public Web site under the appropriate classification.

M2. Qualified Anti-Terrorism Technology (QATT) information

- You have three options after completing the Modification:
  - Save As Draft
    - It is strongly suggested that you save as draft regardless of final selection to prevent the loss of information due to computer failure.
  - Save As Draft & Close
  - Submit as Final



#### Modification to Designation





#### Modification to Designation

Submission Date: 11/08/2007		
Fields marked with an asterisk ( * ) are required.		CTIONS
* Only submit this modification if you have made changes, or plan to make changes.	Cancel Delete	
to your designated ATT technology description. Previous Next	Save as D Save as D Submit as	oraft & Close
MODIFICATIO Microsoft Internet Explorer	×	n Instructions
M1. Seller Na User Guide M1.1.* Public WARNING: If you submit this Modification as Final, you will no longer be able Are you sure you wish to submit as Final?	to edit it.	TIONS nformation ation Details d Links
If your Techno Act Web site a Designation a Technologies. Or, if you are granted DT&E Designation, regardless of which protection you applied for,		
Approve (Choose O I wis O I do classifie Classifie O I do Classifie O I do Classifie O I with the I of the I o	Modifi	ication Notice
your Modification Notice.		
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#### CERTIFICATION

The undersigned certifies that he/she is a duly authorized representative of the above referenced Designation Holder. The undersigned further certifies that the information above is accurate and complete. The Designation Holder understands that any significant change or modification to the Qualified Anti-Terrorism Technology will automatically terminate the Designation absent prior written approval by the appropriate Department of Homeland Security official before implementation of the change or modification. False representations constitute a violation of 18 U.S.C. §1001 and are punishable by fine and imprisonment.

A	TIONS
Cancel	
Submit	

Accept/Sign

Signature:	Date:
Title:	

Before you can complete your Modification Notice you must sign and accept the online certification.

Enter your Title and select "Accept/Sign"



#### CERTIFICATION

The undersigned certifies that he/she is a duly authorized representative of the above referenced Designation Holder. The undersigned further certifies that the information above is accurate and complete. The Designation Holder understands that any significant change or modification to the Qualified Anti-Terrorism Technology will automatically terminate the Designation absent prior written approval by the appropriate Department of Homeland Security official before implementation of the change or modification. False representations constitute a violation of 18 U.S.C. §1001 and are punishable by fine and imprisonment.

Accept/Sign

Ex	ample, CEO		
Signature:	John Doe	Date:	11/08/2007
Title:	CEO		



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Select "Submit"

AND THE R.		ABOUT	FAQs	HELP TOPICS	HELP REQUEST	FORMS & INFO	SECUR	ITY/PRIVACY NOTICE	DHS.GO
Iv Applications       Previous Page   Next Page         pplications by JOHNDOE sort by       Date         Denotes an application is awaiting response from the applicant.				Applicat Create Application Procurement					
Submission Date App ID			Status Awarded	ATT Nan	ne echnology			View My Open Appli My Closed App	the second s
						Previous Page	Next Page	Account	t Center

Once you select "Close" you will be returned to this screen



If you have an application that was denied by DHS, you withdrew, had closed, or if you have a Designated Technology and you wish to apply for Certification, you may create a "New Revision" Application. The process of creating a New Revision application benefits you as it pulls in information from your previously closed or designated application.









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#### **QATT** Application

Received Via: Online Form Status: Draft		Submission Date: 11/08/2007	ACTIONS
Fields marked with an asterisk (*	) are required.		Cancel
		Next	Save as Draft Save as Draft & Close
Important: Read carefully and c Designation Application.	Submit as Final Change Application Type Application Instructions		
After completing this Seller Infor Details" on the Sections menu I Please ensure the accuracy of th - Select <u>Edit My Account Info</u> - Make the necessary changes - Select Submit	ocated on the right-hand side he information below. If the in	formation has changed:	SECTIONS 1. Seller Information 2. Application Details 3. Related Links
- Reset the Seller Information be Reset Seller Information SELLER INFORMATION Registration Information		Confirm the Seller I select "Application E	Information and then Details" located under ons menu.
Applicant ID	JOHNDOE		
Seller Name Data Universal Numbering System (DUNS) Number	User Guide 259		update your Applicant your Application.



OVERVIEW of the ANTI-TERRORISM TECHNOLOGY (ATT) D4. Non-proprietary Summary	ACTIONS
D4.1. * Name of your Technology 2	Cancel
* D4.2. Company and Technology Description	Save as Draft Save as Draft & Close Submit as Final Change Application Type Application Instructions
Provide an overview of your company, including place of incorporation, a description of y and the Technology that is the subject of this Application.	our business,
Company and technology description	1. Seller Information 2. Application Details 3. Related Links
	The information in the "ATT Details" section and the
D4.3. * Internal Tracking Code	required attachments will carry over from the previous
testTech001	application. Make any
NOTE: The internal tracking code is a short identifier that should be unique to each application. Trac contain both numbers and letters.	necessary changes or
(e.g. if you are submitting a Designation Application, username is ABCINC, and internal tracking code application will appear with the identifier Q-ABCINC- <b>001</b> .)	

OVERVIEW of the ANTI-TERRORISM TECHNOLOGY (ATT) D4. Non-proprietary Summary	ACTIONS
D4.1. * Name of your Technology 3 test technology	Cancel Save as Draft Save as Draft & Close Submit as Final Change Application Type
* D4.2. Company and Technology Description 📀	Application Instructions
Provide an overview of your company, including place of incorporation, a description and the Technology that is the subject of this Application.	of your business,
Company an Microsoft Internet Explorer WARNING: If you submit this Application as Final, you Are you sure you wish to submit as Final? OK Cancel	u will no longer be able to edit it. Once you select "Submit As Final " you will receive a prompt confirming that you wish to submit the application.
D4.3. * Internal Tracking Code	Submit the application.
testTech001 NOTE: The internal tracking code is a short identifier that should be unique to each application. T contain both numbers and letters.	Select "OK" to continue or "Cancel" to make changes to



DECLARATION	ACTIONS
Under penalty of perjury, I declare, to the best of my knowledge an information provided in this Application and any accompanying do	Cancel
complete.	Submit
Accept/Sign	re you can complete submission you must
Prepared By:	and accept the online declaration.
Title (if applicable): Signature:	your Name and Title select "Accept/Sign"
Date:	



	DECLARATION		ACTIONS
	clare, to the best of my knowledge and belief, that all state pplication and any accompanying documents are true, co		Cancel Submit
Prepared By:	John Doe	-	
Title (if applicable):	CEO		have completed the vious step correctly
Signature:	<ul> <li>(signed electronically via website)</li> </ul>	- comp	leclaration should be pletely filled out and may select "Submit"
Date:	Thursday November 8, 2007	your	nay select Submit





Application ID Number changed to:





Window Contraction	ABOUT	FAQs	HELP	HELP REQUEST	FORMS & INFO	SECUR	ITY/PRIVACY NOTICE	DHS.GO
ly Closed Applications				F	Previous Page	Next Page	Applicat	nt Tools
App ID 2-JOHNDOE-TESTTECH001-1	Status Closed	test technology 11/08/2007			te Previous Page   Next Page		Create <u>Application</u> <u>Procurement Application</u> View <u>My Open Applications</u> <u>My Closed Applications</u>	
Once you	usele	ect "C	)K" v	ou will l	)e		Account JOHNDOE Edit My Account Change My Pase	









		ACTIONS
ields marked with an asteris User Account Information	sk (*) are required.	Cancel
User Name:	JOHNDOE	Submit
*Old Password:		Capitit
New Password:		
Confirm New Password:		

Complete this form and select "Submit" under the Actions menu





If you have successfully reset your password, you will receive this notification message.

You will then be taken back to the SAFETY Act home page to log in again.

Please allow up to five minutes for the new password to take effect.



AND

Password	Reset
----------	-------

Please complete the following form and your password will be reset and emailed to you.

User Account Information			
User Name:			
Email Address:			

\*If you do not have an email address, leave it blank and you will be contacted by the SAFETY Act Help Desk with your new password.

ACT	TIONS
Cancel	
Submit	
N	

Complete this form and select "Submit." A randomly generated password will be emailed to your applicant email address.





# If further assistance is required please contact the Help Desk

#### Phone: 1-866-788-9318 Email: <u>helpdesk@safetyact.gov</u>



#### **SAFETY Act Application Kit**

Department of Homeland Security Science and Technology Directorate S&T SAFETY Room 1715 Mail Stop 8700 245 Murray Lane Washington, D.C. 20528 1-866-788-9318 http://www.safetyact.gov

Privacy Act Notice: DHS Authority to Collect This Information: 6 U.S.C. 55 441-444 (the "SAFETY Act") and 6 C.F.R. Part 25, 71 Fed. Reg. 33147, 33159. Principal Purposes: DHS collects stelphone numbers, addenses, and other identifying information for the purpose of contacting individuals seeking liability protections on issuer related to the SAFETY ACT application process. Routine Uses and Sharing: In general, DHS will be seeking liability protections on issuer related to the SAFETY ACT application process. Routine Uses and Sharing: In general, DHS will be seeking liability protections on issuer related to the SAFETY ACT application process. Routine Uses and Sharing: In general, DHS will be seeking liability protections on issuer related to the SAFETY ACT application process. Routine Uses and Sharing: In general, DHS will be seeking liability protections on issuer related to the SAFETY ACT application process. Routine Uses and Sharing: In general, DHS will be seeking liability protections on issuer related to the SAFETY ACT application of Records Notice (SORN), which can be found at mething and an individual may opt not to provide the requested information is voluentary and an individual may opt not to provide the requested information, DHS requests. If an individual chooses to opt not to provide some or all of the measured information, DHS may not be able to process the individual" request.

PRA Bunden Statement: An agency may not conduct or sponsor an information collection and a person is not enquired to respond to this information collection unless it displays a current valid OMB control number and an expension date. The control number for this collection is 1640-0001 and this forms will expire on 03/31/2013. The estimated average time to complete this attended forms is as follows: DHS Form 10001: 10 hours per respondent, DHS Form 10002: 10 hours per respondent, DHS Form 10006: 50 hours per respondent, DHS Form 10007: 40 hours per respondent, DHS Form 10007: 40 hours per respondent, DHS Form 100007: 40 hours per respondent, DHS Form 100007: 40 hours per respondent, DHS Form 100009: 40 hours per respondent, DHS Form 10009: 1 hours per respondent, DHS Form 10010: 30 minutes per respondent, DHS Form 10009: 40 hours per respondent, DHS Form 10009: 40 hours per respondent, DHS Form 10009: 1 hours per respondent, DHS Form 10010: 30 hours per respondent, DHS Form 10009: 40 hours per respondent, DHS Form 10009: 1 hours per respondent, DHS Form 10010: 30 hours per respondent, DHS Form 10009: 1 hours per respondent, DHS Form 10010; 40 hours per respondent, DHS Form 10009: 1 hours per respondent, DHS Form 10010; 30 minutes per respondent, Security, Science and Technology Directorate, Washington, DC 20528.

DHS Form 10001, DHS Form 10002, DHS Form 10003, DHS Form 10004, DHS Form 10005, DHS Form 10006, DHS Form 10007, DHS FORM 10007

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	DOCUMENT CONTROL DATA (Security classification of title, body of abstract and indexing annotation must be entered when the overall document is classified)						
1.	ORIGINATOR (The name and address of the organization preparing the do Organizations for whom the document was prepared, e.g. Centre sponsoring contractor's report, or tasking agency, are entered in section 8.)	<ol> <li>SECURITY CLASSIFICATION (Overall security classification of the document including special warning terms if applicable.)</li> </ol>					
	Greg Luoma Luoam Tech Inc. Calgary Alberta	UNCLASSIFIED					
3.	TITLE (The complete document title as indicated on the title page. Its classification should be indicated by the appropriate abbreviation (S, C or U) in parentheses after the title.)						
	Support to Industry Partners in Achieving Designation/Certification for the US Safety Act						
4.	AUTHORS (last name, followed by initials – ranks, titles, etc. not to be used)						
	Luoma, Greg						
5.			OF PAGES ning information, tes, Appendices, etc.)	6b. NO. OF REFS (Total cited in document.)			
	October 2011		17	0			
7.	e.g. interim, progress, summary, annual or final. Give the inclusive dates when a specific reporting period is covered.)						
	Contract Report						
8.	SPONSORING ACTIVITY (The name of the department project office or 1 Centre for Security Science Defence R&D Canada 222 Nepean St. 11th Floor Ottawa, ON Canada K1A 0K2	adoratory sponsor	ing the research and d	everopment – menude address.)			
9a.	PROJECT OR GRANT NO. (If appropriate, the applicable research and development project or grant number under which the document was written. Please specify whether project or grant.)		CONTRACT NO. (If appropriate, the applicable number under which the document was written.)				
10a	. ORIGINATOR'S DOCUMENT NUMBER (The official document number by which the document is identified by the originating activity. This number must be unique to this document.)	10b. OTHER DOCUMENT NO(s). (Any other numbers which may be assigned this document either by the originator or by the sponsor.)					
	DRDC CSS CR 2011-21						
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12.	DOCUMENT ANNOUNCEMENT (Any limitation to the bibliographic and Document Availability (11). However, where further distribution (beyond the audience may be selected.))						
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The objective of this report is to provide insight to Canadian industry partners of the CRTI/PSTP program into successfully applying for designation under the USA SAFETY Act, and preferably to be added to the Department of Homeland Security Approved Product List (APL). This will enable Canadian companies to access these markets with the outputs of CRTI or PSTP projects. The study also suggests how DRDC CSS can support Canadian companies receiving designation under the USA SAFETY Act.

L'objectif de ce rapport est de fournir l'information aux partenaires de l'industrie canadienne du programme de l'IRTC/PTSP pour appliquer avec succès la désignation en vertu de la Loi sur la Sécurité d'es États-Unis et de préférence , pour être ajouté à la Liste des Produits Approuvés (LPA) du Département de Sécurité publique américain . Cela permettra aux entreprises canadiennes d' accéder à ces marchés avec des résultats de projets de l'IRTC ou PTSP. L'étude indique également comment RDDC CSS peut soutenir les entreprises canadiennes recevant la désignation en vertu de la Loi sur la Sécurité des États-Unis

14. KEYWORDS, DESCRIPTORS or IDENTIFIERS (Technically meaningful terms or short phrases that characterize a document and could be helpful in cataloguing the document. They should be selected so that no security classification is required. Identifiers, such as equipment model designation, trade name, military project code name, geographic location may also be included. If possible keywords should be selected from a published thesaurus, e.g. Thesaurus of Engineering and Scientific Terms (TEST) and that thesaurus identified. If it is not possible to select indexing terms which are Unclassification of each should be indicated as with the title.)

US Safety Act; certification