

# Access Control Brick Retirement V1.0

## Status of this Memo

This document proposes the retirement of a standard for the National Institutes of Health (NIH) and requests discussion and suggestions for improvements. Distribution of this memo is unlimited.

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RETIRED

## 1 Introduction

This document initiates the retirement of the NIH Technical Architecture Standard for Access Control for the NIH community.

## 2 Description

Access control is a foundational component of any IT system or Infrastructure element. It is important to the safety of IT systems and data. It controls how NIH protects its IT perimeter, end points, servers, and all data. It is a mandatory part of the C&A review for system security plans for security controls. Access Control is a very broad topic with many sub-categories. This topic is too broad for one document or standard to properly address and reconcile.

NIH has addressed Access Control through specific standards such as Active Directory, NIH Login, single sign-on, PIV cards, VPN access, firewalls, and multifactor authentication. Other best practices such as disk encryption, NIH antivirus protections, file and directory permissions, the annual security awareness training, audit logging of IT access, and other principles support effective access control at NIH.

As such, we feel we can archive this standard without any impact to the NIH infrastructure, while continuing to maintain the other listed standards and best practices.

**Table 1 - Access Control Brick**

<b>Tactical Deployment (0-2 years)</b>	<b>Strategic Deployment (2-5 years)</b>
<ul style="list-style-type: none"> <li>■ None</li> </ul>	<ul style="list-style-type: none"> <li>■ None</li> </ul>
<b>Retirement (Technology to eliminate)</b>	<b>Containment (No new deployments)</b>
<ul style="list-style-type: none"> <li>■ Pelican</li> </ul>	<ul style="list-style-type: none"> <li>■ Gauntlet (Application proxy requirements only)</li> <li>■ Lucent</li> <li>■ IP Chains</li> </ul>
<b>Baseline Environment (As of last review)</b>	<b>Emerging (Technology to track)</b>
<ul style="list-style-type: none"> <li>■ Firewalls                             <ul style="list-style-type: none"> <li>■ BorderManager</li> <li>■ Check Point</li> <li>■ Cisco PIX</li> <li>■ Enterasys</li> <li>■ Gauntlet</li> <li>■ Lucent</li> <li>■ Netscreen</li> </ul> </li> <li>■ Other Network Access Control                             <ul style="list-style-type: none"> <li>■ Domain Blocking</li> <li>■ IP Tables</li> <li>■ MAC Address ACLs Network Address Translation</li> <li>■ SSID</li> <li>■ VLAN Router Access Control Lists</li> <li>■ VPN</li> </ul> </li> <li>■ Repository                             <ul style="list-style-type: none"> <li>■ Active Directory</li> </ul> </li> <li>■ System Access Control                             <ul style="list-style-type: none"> <li>■ Citrix CSG</li> <li>■ IBM Host Access Class Library</li> <li>■ Okena StormWatch</li> <li>■ Pelican</li> <li>■ SAMBA</li> <li>■ Sudo</li> <li>■ TCP/IP Wrappers</li> </ul> </li> <li>■ Application Access Control                             <ul style="list-style-type: none"> <li>■ DBMS</li> <li>■ Role-based Access Control</li> </ul> </li> <li>■ Content Filtering                             <ul style="list-style-type: none"> <li>■ Websense</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>■ Host Based Firewall</li> <li>■ Intrusion Prevention</li> </ul>
<b>Comments</b>	
<ul style="list-style-type: none"> <li>■ Tactical and strategic products were selected to leverage NIH's investment in products that are a</li> </ul>	

proven fit for NIH's known future needs. Leveraging baseline products in the future will minimize the operations, maintenance, support and training costs of new products.

- Some baseline products have been designated retirement and containment. These products are either not as widely or successfully deployed at NIH, or they do not provide as much functionality, value, or Total Cost of Ownership as the selected tactical and strategic products.

### 3 Contact

To contact the NIHRFC Editor, send an email message to [EnterpriseArchitecture@mail.nih.gov](mailto:EnterpriseArchitecture@mail.nih.gov)

### 4 Changes

Version	Date	Change	Authority	Author of Change
0.1	12/5/2009	Initiation		Joe Klosky
0.2	1/13/2010	Minor formatting changes	NIHRFC0001	Kiley Ohlson
0.3	2/17/2010	Updated the structure of the brick to match the website		Anja Holovac
1.0	4/27/2010	ARB approved NIHRFC	ARB	Kiley Ohlson

### 5 Author's Address

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