



Criteria for DHHS IT Architectural Conformance

DIRM IT Architecture, Interdependent Designs & Research

Date Created: October 27, 2008

Date Updated: February 9, 2009

Version: 2

Purpose

The IT Architecture, Interdependent Designs & Research Unit intends this document for use by any submitter of a procurement document (e.g., Request for Proposal or Contract), system design document, or other technical documents seeking DIRM approvals. This document outlines the scope and criteria DHHS IT architects follow to determine IT architectural conformance.

Scope

The IT Architecture, Interdependent Designs & Research Unit reviews all new, upgraded, or enhanced technical products and services that will integrate, interface, or in anyway utilize one or more of the following shared services:

- NCID and/or DHHS Enterprise Directory Service
- Asset Management (e.g., seat management or asset repository)
- Common Payment Service (e.g., credit card, ACH, or EDI)
- DHHS LANs and WLANs (wireless)
- Enterprise Call Center
- Enterprise conferencing solutions (e.g., streaming media, web conferencing, or video conferencing)
- Enterprise email or calendaring system
- Enterprise incident management system (e.g., iWise or Remedy)

- Enterprise Licensing (e.g., SAP, Oracle, SQA, or EDM/PC)
- Enterprise security services (e.g., ESAP, NCID, disaster recovery, VPN or IPS)
- eProcurement
- Firewall
- ITS Hosting (e.g., Virtual, MaPS, or mainframe)
- NC Portal - NC@Your Service
- Statewide WAN
- Voice Telephony (e.g., desktop, mobile, long-distance/toll free)

The IT Architecture, Interdependent Designs & Research Unit ensures the technical architecture of the selected technical product and/or service conforms to established enterprise strategies and directions of both NC DHHS and the State early in the design process and before the technical product and/or service is procured and/or implemented. The Unit documents any related issues.

Criteria for DHHS IT Architectural Reviews

A technical product or service is this...	...when this applies
Compliant with the DHHS IT Architecture	<p>All technical products and services selected conform to the <i>Target</i> and/or <i>Emerging</i> lifecycle statuses listed in the DHHS IT Architecture.</p> <p>The design methodology for any development efforts follows a technology-neutral business process design (e.g., use case, responsibility driven analysis and design; model-driven development /logic driven, model-driven architecture).</p> <p>The architectural pattern for any development efforts follows a service-oriented architecture approach.</p> <p>Note: <u>Approval from the DHHS Chief Technical Architect implies compliance with the DHHS IT Architecture.</u></p>
Problematic with the DHHS IT Architecture	<p>Any technical standard or product selected is classified as <i>Contain</i> in the DHHS IT Architecture.</p> <p>Note: <u>Divisions/offices must justify the purchase of products and/or services classified as <i>Contain</i>, and must receive a Waiver from the DIRM Deputy Executive Director or Executive Director before obtaining approval to proceed with any such procurement/implementation from the DHHS Chief Technical Architect.</u></p>

Criteria for Statewide Technical Architectural (STA) Reviews

A technical product or service is this...	...when this applies
Presumed compliant with the STA	<p>All technical products and services included use web services, are standards-based, abstract business processes and business rules, abstract the presentation layer from all other layers, use an open source portal, and abstract the data layer from all other layers.</p> <p>Note: <u>Approval from the DHHS Chief Technical Architect presumes compliance with the Statewide Technical Architecture from the perspective of NC DHHS.</u></p>
Presumed problematic with the STA	<p>Any technical product and/or service selected does not use web services, is not standards-based, does not abstract business processes and business rules, does not abstract the presentation layer from all other layers, does not use an open source portal, and does not abstract the data layer from all other layers.</p> <p>Note: <u>Divisions/offices must justify the purchase/implementation of products and/or services that are problematic, and must receive a Waiver from the DIRM Deputy Executive Director or Executive Director before obtaining approval to proceed with any such procurement from the Chief Technical Architect.</u></p>

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