West Texas A&M University

The Division of Information Technology
University Information Security Standards

NIST CONTROL FAMILY
IDENTIFICATION AND AUTHENTICATION CONTROLS

CONTROL NUMBER	CONTROL NAME	PRIORITY	REVIEW DATE
SA-3	**System Development Life Cycle**	**P1**	**07/23/2017**

I. STATEMENT

All software developed in-house that runs on production information systems shall be developed according to a Software Development Lifecycle (SLDC) plan. At a minimum, this plan shall address the areas of preliminary analysis or feasibility study; security risk identification and mitigation; systems analysis; general design; detail design; development; quality assurance and acceptance testing; implementation; and, post-implementation maintenance and review. The requirement for such methodology ensures the software will be adequately documented and tested before it is used in production.

II. APPLICABILITY

This Control applies to all West Texas A&M network information resources. The intended audience for this Control includes all information resource owners, custodians, and users of information resources.

III. IMPLEMENTATION

Whenever possible, physicall separation will be implemented between production and test environments. Test environments shall not contain production data unless all users involved in testing are authorized to access production data.