FIPS 201 Standards/
Fargo Recommended Solution

FIPS 201 Standards (as of March, 2006)	Fargo Recommended Solution	Confidence Level in Meeting Specification	Rationale
Section 4.1.1 states 'Printed material shall not rub off during the life of the PIV card, nor shall the printing process deposit debris on the roller during printing and lamination.	HDP600 Series using High Secure Holographic HDP Film and 1.0 mil PolyGuard Overlaminate	**VERY HIGH** Confidence	The combination of the HDP Film and polyester patch applied to a printed card provides the greatest durability.
Section 4.1.1 states 'Printed material shall not interfere with contact and contactless ICCs and related components…'	HDP600 with lamination station - High Definition Printing	**VERY HIGH** Confidence	High Definition reverse-image printing technology prints over the irregular surfaces of ICCs and contactless antennas without interfering with the operation of contact and contactless ICCs.
Section 4.1.2 and 4.1.3 states 'The card shall contain security features that … provide visual evidence of tampering attempts. At a minimum, the PIV card shall incorporate one such security feature. Incorporation of security features shall: 1) be in accordance with durability requirements [ISO7810], 2) be free of defects, such as fading and discoloration, 3) not obscure printed information, and 4) not impede access to machine-readable information.'	High Secure Holographic HDP Film and 1.0 mil PolyGuard Overlaminate	**HIGH** Confidence	Durability of the overlaminate material placed on the card surface should meet the same durability requirements as the card body itself. For instance, Fargo UltraCard III (Polyester/PVC blend) cards meet this requirement. A chip cutout is required in the overlaminate for the contact chip ('not impede access to machine-readable information'). Fargo's 1.0mil PolyGuard laminate will address UV fade ('free of defects, such as fading and discoloration'). Holograms do not obscure printed information. Fargo testing shows that holographic overlaminates do not affect the letter grade of the bar code reading.
Section 4.1.3 states 'Minimum ANSI 322 tests should include card flexure, static stress, plasticizer exposure, impact resistance, card structural integrity, surface abrasion, temperature and humidity induced dye migration, ultraviolet light exposure and a laundry test. Cards shall not malfunction or delaminate after hand cleaning with a mild soap and water mixture.'	High Secure Holographic HDP Film and 1.0mil PolyGuard laminate	**HIGH** Confidence	Lamination on one or both sides of the card may be needed to meet the standard. Fargo 1.0 mil PolyGuard Overlaminate and UltraCard III will meet this specification. Fargo test results for flexure, static stress, plasticizer exposure, card structural integrity, surface abrasion, temperature and humidity-induced dye migration, daylight exposure stability and a laundry test are available for this combination.
Section A2.2 states "The Approval Authority shall ensure the system has at least two persons performing different functions in the chain of trust processes. The principle of separation of duties shall be enforced to ensure that no single individual has the capability to issue a PIV credential without the participation of another authorized person. "	Print Security Manager™	**HIGH** Confidence	In order to ensure that Printing and Laminating equipment are not used by unauthorized persons at unauthorized times, Print Security Manager facilitates operator authorization and unauthorized use notification. In addition, it produces detailed reports on the operation and use of issuance equipment associated with it.
Section A2.2 states "Card production may be accomplished either centrally or at a distributed issuer facility, provided security and quality control objectives for card stock management are fully met."	Secure Vault™ ID Management System	**HIGH** Confidence	Card printing and laminating supplies and materials should be secured and locked when not in use, and monitored for proper inventory control. SecureVault integrated with Print Security Manager facilitates materials management and security via a networked or isolated issuance environment.

*****PLEASE NOTE!** *Information subject to change without notice.*