











PIV Authentication Mechanism Comparison											
		Authentication Mechanism	Contact?	Contactless?	Rapid?	Electronic?	# of Authentication Factors	Card is authentic (CardV)?	Credential is untampered (CredV)?	Card belongs to Holder (HolderV)?	Notes
		VIS	-	-	N	N	2	Y (weak)	Y (weak)	Y (weak)	
		CHUID w/o Sig Ver	Y	Y	Y	Y	1	N	Y(weak)	N	Expiration Date check
		CHUID w/ Sig Ver	Y	Υ	Ν	Y	1	N	Y	N	
		BIO w/o Sig Ver	Y	N	N	Y	1	N	Y(weak)	Y(weak)	Expiration Date check; Gummy finger use possible
		BIO W/ Sig Ver	Ϋ́	IN N	N	Ϋ́	1	IN N	Y V(week)	r (weak)	Gummy Inger use possible
		BIO-A w/o Sig Ver	Ϋ́	N	N	Ϋ́	2	IN NI	r (weak)	Ϋ́	Expiration Date check
	-	CAK Symmetric	V	$\mathbf{v}$		$\overline{\mathbf{v}}$	2 1			M	
		CAK - Symmetric	Y	V V	N	Y	1	Y	v	N	
		PKI	۱ ۷	N	N	Y	2	Y	Y	Y	/
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