Cmt # NIST SP 800-73	Organization	Point of Contact	Comment Type (G- General, E- Editorial, T- Technical)	Section,Annex,etc and Page Nbr	Comment(Include rationale for comment)	Proposed change
1	State Department	Tin T. Cao	G		generally appear to favor a virtual machine ("Java") card, leaving agencies and card manufacturers guessing about the most appropriate type. Further, it appears to penalize those agencies who have already adopted a pure native or pure Java card. This is a	Delay publication of SP 800-73 until FIPS 201 is published, technical requirements are clarified, and further inputs concerning Phase II implementation are known. Further, NITS should seek the participation and involvement of the GSC-IAB and its working groups (particularly the TWG and PAIIWG). [Already Implemented in part per NITS decision o/a 11/18/2004]
2	State Department	Tin T. Cao	G		Interagency Advisory Board (IAB), and its subcommittees (TWG, PAIIWG, etc.). It mentions the standards developed by those activities, but then goes off in another directionapparently pursuing a new ISO standard. Again, none of the agencies that had the	Put publication of SP 800-73 on hold at least until the final version of FIPS 201 is determined. In the mean time, turn over development of this SP to the GSC-IAB and its working groups (particularly the TWG and PAIIWG) for both technical review and coordination with industry to permit determination of what is and is not possible within given timeframes. [Already implemented per NITS decision o/a 11/18/2004]

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3	State Department	Tin T. Cao	G			requirements are clarified. NITS should advise OMB that the schedule outlined in HSPD-12 cannot be met
4	State Department	Tin T. Cao	G		errors. Before this document is submitted to the	writer/editor, in conjunction with a policy and/or technical expert.
5	State Department	Tin T. Cao	G/T	Section 1, pg 9 (fourth subparagraph)	reader or that all readers must be capable of reading any card. While the desire to accommodate all possible solutions is understandable, it forces agencies to adopt	government, supported by an appropriate business case, and that those agencies with existing smart card
6	State Department	Tin T. Cao	G/T	Section 1.1, pg 9	edges, but forces both to modify at least some portion of their operating system, card management, and/or	Recommend that one standard be adopted across the government, supported by an appropriate business case, and that those agencies with existing smart card systems be allowed to phase in the retrofitted new system over an extended period based on the anticipated life-cycle of their deployed systems.

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7	State Department	Tin T. Cao	G/T	Section 5, pgs 26-50	specifications, it highlights a major operational and security concern between "native" and VM cardsthe controls over who controls administrative access to the card and how. The business case, and resulting	Recommend that some consideration be given to including at least minimal discussion of administrative card access in SP 800-73. The general policy for such controls should be included in FIPS 201, but this policy-procedural concern must cross-over between these two documents.
8	State Department	Tin T. Cao	G/T		critical issue and establish appropriate links back and forth between the technical and policy documents.	Recommend that some consideration be given to including at least minimal discussion of administrative card access in SP 800-73. The general policy for such controls should be included in FIPS 201, but this policy-procedural concern must cross-over between these two documents.
9	State Department	Tin T. Cao	G/T	Section 7, pg 82 (first & second subparagraphs)	be inconsistent and/or contradictory to the intent of the program, and with each other. The first subparagraph implies that interoperable use applications are mandatorywhich is consistent with the apparent intent of SP 800-73, FIPS 201, and HSPD-12. However, the second subparagraph states that, "Four card	Clarify the intent of the PIV card, and modify the text of these two subparagraphs (and related text in Section 7) to reflect that either interoperability is the goal and that applications supporting interoperability are mandatory, or drop the goal of agency interoperability (at least for the time being) and make it very clear that implementation of any of these applications by any agency is optional to that agency.
10	State Department	Tin T. Cao	G/T	Sections 7.3.6 & 7.3.7, pgs 92-93	Related to the preceding comments regarding interoperability, the presence and functioning of the symmetric key for external/internal authentication must be clarified. If an agency chooses not to implement interoperable capabilities, then there does not appear to be a need for a symmetric key (at least for this purpose).	