

in050655

T6 PROJECT PROPOSAL FOR REVISION TO INCITS 256

1 Source of the Proposed Project

- 1.1 Title:** Revision of INCITS 256:2001, Information technology - Radio Frequency Identification (RFID).
- 1.2 Date Submitted:** 30 March 2005
- 1.3 Proposers:** INCITS T6 Technical Committee

2 Process Description for the Proposed Project

- 2.1 Project Type:** R (Revision)
- 2.2 Type of Document:** Standard
- 2.3 Definition of Concepts and Special Terms:** None
- 2.4 Expected Relationship with Approved Reference Models, Frameworks, Architectures, etc.:** INCITS T6 successfully completed INCITS 256 and a subsequent revision of this standard. Since publishing of INCITS 256 numerous changes in the technology have occurred that warrant revision to the standard. Additional, international standards have been developed that point to INCITS 256 as a registration authority alternative for RFID Tag ID's and provisions need to be established in the standard for this.
- 2.5 Recommended INCITS Development Technical Committee:** INCITS T6
- 2.6 Anticipated Frequency and Duration of Meetings:** Meetings will be held quarterly for a total of four per year. Meeting will normally last two days each.
- 2.7 Target Date for Initial Public Review (Milestone 4):** December 2005
- 2.8 Estimated useful life of the document:** Five years or longer

3 Business Case for Developing the Proposed Standard

3.1 Description: As a result of both technical and market needs changes, many of the current specifications in the standard do not reflect the today RFID product capabilities. Additionally, certain RFID technical solutions originally anticipated by the standard have not been reflected in products. Therefore, certain portions of the standard need to be updated while others may actually be removed

depending on the outcome of the review. This will make the standard more usable as a reference document for the RFID market.

3.2 Existing Practices and the Need for a Standard: The use for RFID continues to grow. In the past year there has been significant increase in interest for using RFID to improve the management of the supply chain. It is anticipated that this interest and growth will continue and as the technology continues to improve, more market applications will emerge.

3.3 Implementation Impact of the Proposed Standard:

3.3.1 Development Costs:

Logistical Cost: Zero -- facilities provided by member organizations at no cost to T6.

Meeting attendance: Four meetings maximum to be attended by 15 members, exclusive of attendee travel costs. The intent is to complete the revision in a much shorter time, if possible.

Work between meetings: Individual member's organization will be responsible for reviewing and submitting recommended revisions in the appropriate format for each of the existing sections of the standard. Individual corporate submissions will vary in cost depending on complexity of the implementing documentation plus the legal expense in preparing a corporate ANSI patent position. Estimated work on reviewing and revising the standard will require six man-months of effort by various corporate members.

Editorial Work: Will require one-man month to prepare and consolidate changes for submission of dpANS INCITS 256 200x.

3.3.2 Impact on Existing or Potential Markets: Updating the standard will increase its value as a reference tool for both current and future RFID technology users.

3.3.3 Cost and Methods of Conformity Assessment: No official validation or certification procedure has been established by T6. System or application implementors may assert compliance.

3.3.4 Return on Investment: We have no basis on which to form such an assessment.

3.4 Legal Considerations:

3.4.1 Patent Assertions: None that we are aware of. Previously calls for patents have been made through T6. All members that indicate that they hold relevant patents have agreed to conform to ANSI patent policy. T6 will issue a call for updated patent statements as a result of this effort.

3.4.2 Dissemination of the Standard: T6 is unaware of any IPR assertions that will hinder this distribution.

International Committee for Information Technology Standards (INCITS) Technical Committee T6

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Date: 30 March 2005

Number: INCITS T6/N2005-002

4 Related Standards Activity

4.1 Existing Standards: ANS INCITS 256:2001

4.2 Related Standards Activity: SC 31/WG 4/SG 3, EPCglobal, SC31/WG 4/SG1

4.3 Recommendations for Close Liaison: U.S. TAG to JTC 1/SC 17, AIM, JTC 1/SC 31/WG 4/SG 3, ANSI MH 10/SC 8/WG 4, ADC 1/TG 4

5. Units of Measure Used in the Standard

The standard uses the International Systems of Units (SI).