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Project Proposal : INCITS 385: American National Standard for Information Technology - Face
Recognition Format for Data Interchange - Revision 1

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M1/07-0139

Project Proposal

INCITS 385: American National Standard for Information Technology - Face Recognition Format for Data Interchange - Revision 1

1. Source of the Proposed Project

1.1 Title

INCITS 385: American National Standard for Information Technology - Face Recognition Format for Data Interchange - Revision

1.2 Date Submitted

February 12, 2007, Revised March 20, 2007.

1.3 Proposer(s)

INCITS Technical Committee M1, Biometrics

2. Process Description for the Proposed Project

2.1 Project Type (Development or Revision)

R - This is a standard revision project.

2.2 Type of Document

This project is expected to result in a revision to INCITS 385-2004.

2.3 Definitions of Concepts and Special Terms

No new concepts or special terms are anticipated to be required by this project.

2.4 Expected Relationship with Approved Reference Models, Frameworks, Architectures, etc.

None.

2.5 Recommended INCITS Development Technical Committee

INCITS Technical Committee M1, Biometrics

2.6 Anticipated Frequency and Duration of Meetings

It is anticipated that this project would require one-day meetings approximately quarterly.

2.7 Target Date for Initial Public Review (Milestone 4)

The estimated date for initial public review is June 2007.

2.8 Estimated Useful Life of the Amended Standard

There is no known limit to the useful life of this amendment.

3. Business Case for Developing the Proposed Standard or Technical Report

3.1 Description

Implementers working with INCITS 385-2004 have identified some areas where the standard is incorrect. Particularly it differs unnecessarily from the analogous ISO standard.

In addition, the revision will integrate the changes enumerated in the 3D amendment (after its final approval) - this was project 1565-D.

The document will include also common header text developed for all M1.3-developed standards.

The document will include the quality block developed in SC37/WG3 and M1.3, currently 5 bytes.

The version number will be incremented.

3.2 Existing Practice and the Need for a Standard

The original project proposal for project 1565-D provided the justification for the subject standard. Some large programs have already adopted the INCITS 385 standard, thereby indicating its utility.

3.3 Implementation Impacts of the Proposed Standard

3.3.1 Development Costs

Development costs for this project are expected to be low, and to be covered by the participating organizations. Project meetings will normally take place in conjunction with regularly scheduled M1 Task Group meetings or via conference calls. It is not expected that the amendment document will be larger than the original standard.

3.3.2 Impact on Existing or Potential Markets

The relatively modest costs of this project are expected to result in benefits as the correction of errors and integration of the 3D data will make the standard more mature. Note that the 3D amendment was specifically intended not to break the 2004 2D structure. The other changes are minor. Therefore the downside marketplace implications are expected to be minimal.

3.3.3 Costs and Methods for Conformity Assessment

This revision should provide a stronger basis for the development of uniform, internationally recognized, interoperability and conformance tests. The willingness of vendors and end-users to jointly define testing requirements is demonstrated by strong activity and support for performance test development within Technical Committee M1. The possible testing environment may range from the use of suppliers' declarations to third party testing. Therefore the cost of conformity assessment is not known at this time.

3.3.4 Return on Investment

There is no known data on which to make an estimate.

3.4 Legal Considerations

3.4.1 Patent Assertions

Calls will be made to identify assertions of patent rights in accordance with the relevant INCITS and ANSI policies and procedures. INCITS/M1 is not aware of any existing, relevant patent claims. Calls for patent assertions were made at the time of the approval of the amendment project (in early 2005) and no responses were received.

3.4.2 Dissemination of the Standard or Technical Report

Drafts of the revised standard will be disseminated electronically. Dissemination of the final standard will be restricted as the document becomes the property of INCITS. INCITS M1 is not aware of any IP issues that will inhibit this process.

4. Related Standards Activities

4.1 Existing Standards

1. INCITS 385, American National Standard for Information Technology - Face Recognition Format for Data Interchange (the subject of this amendment project).
2. ISO/IEC 19794-5, Information Technology - Biometric Data Interchange Formats - Part 5: Face Image Interchange Format

4.2 Related Standards Activity

1. ISO/IEC 19794-5, Face Image Format (under amendment and revision in SC 37).
2. INCITS project 1704-D: Information technology. Conformance Testing for ANSI INCITS 385-2004, Face Recognition Format for Data Interchange (under development in INCITS M1)

4.3 Recommendations for Close Liaison

None

5. Units of Measurement used in the Standard

Indicate units of measurement used in the Standard:

- International Systems of Units (SI)
- Inch/Pound
- Both
- Other
- Not Measurement Sensitive