Presentation to
SC 37 / Working Group 3

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US National Body
IREX Family

IREX = Iris Exchange

Ongoing development of standardized, high performance, interoperable, iris images i.e. support of ISO/IEC 19794-6:20XX

IREX 08
Compact Formats
Compression Limits
IREX 08

Scope is:

• Evaluation of three compact formats
  - UK cropped rectilinear, UK ROI-masked rectilinear, US “unsegmented polar” proposed for 19794-6

• Development of:
  - Compression profiles of JPEG 2000 vs. JPEG

How:

• Measure accuracy (FMR, FNMR, FTE) of algorithms implementing the IREX API

• Using binary data structure - something like the existing Tables 1-4

Images:

• LG 2200, LG 3000, LG 4000, Pier ...

• Also NIST is still requesting organizations to contribute other sets of iris images
IREX :: Status

Timeline:
• 6/28/08 - Final IREX Test Plan and API released
• 7/2/08 - Deadline for “intention to participate”
• 8/05/08 - Window for submission of SDKs opens
• 9/12/08 - Window for submission of SDKs closes
• Results to WG3 before 1/19/09

Participation:
• Thirteen organizations have indicated intent to participate - this is enough to proceed.
• Participants can withdraw anonymously before September 12.
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IREX

Now: IREX 08
IREX I
Compact Formats
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A Future Possibility
IREX II “Sensor Interoperability”

A Future Possibility
IREX III
“Beyond 640x480”

WG3 Direction is Key
For IREX news, FAQ and the final API and concept
http://iris.nist.gov/irex

Suggestions, contributions, questions to:
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