



UNITED STATES
POSTAL SERVICE

In Quest of a More Advanced Recognition Technology

Edward J. Kuebert, Manager
Image Recognition & Processing
United States Postal Service



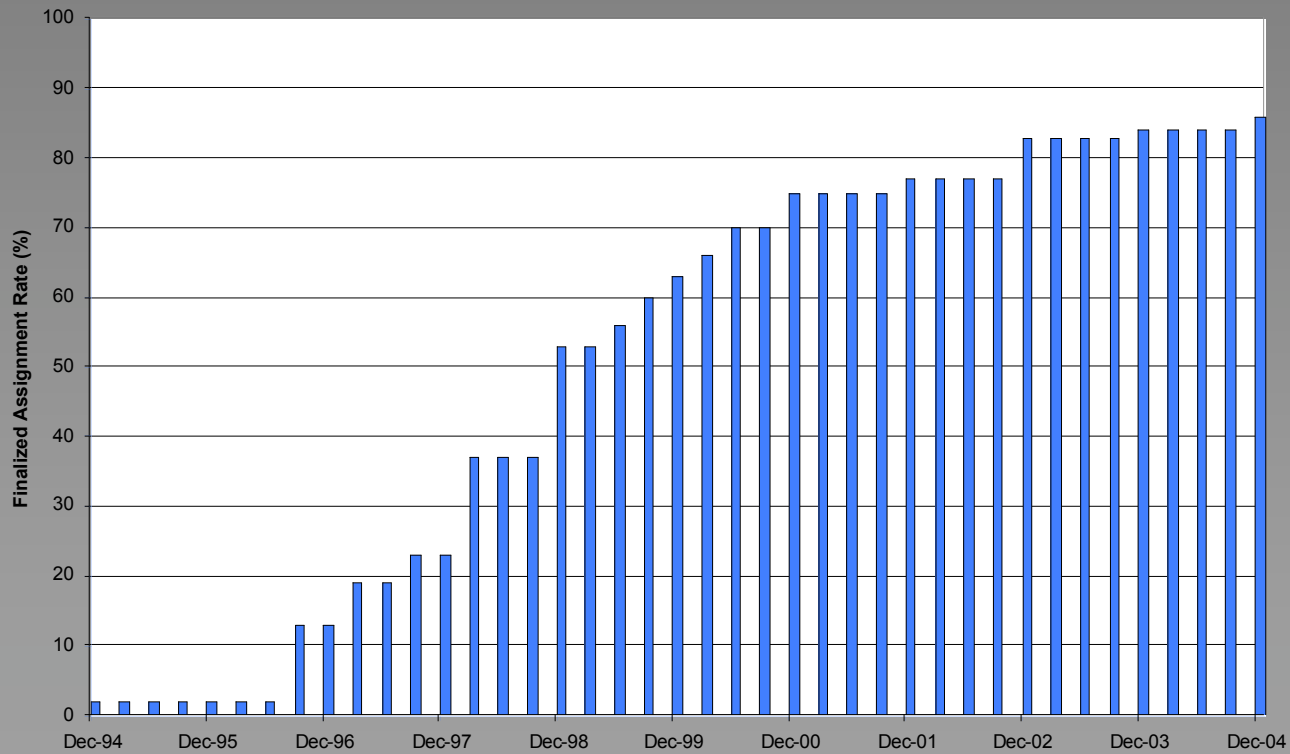
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THANK YOU!!



Ten Year History – Handwritten Letter Mail

Handwritten Recognition Rate

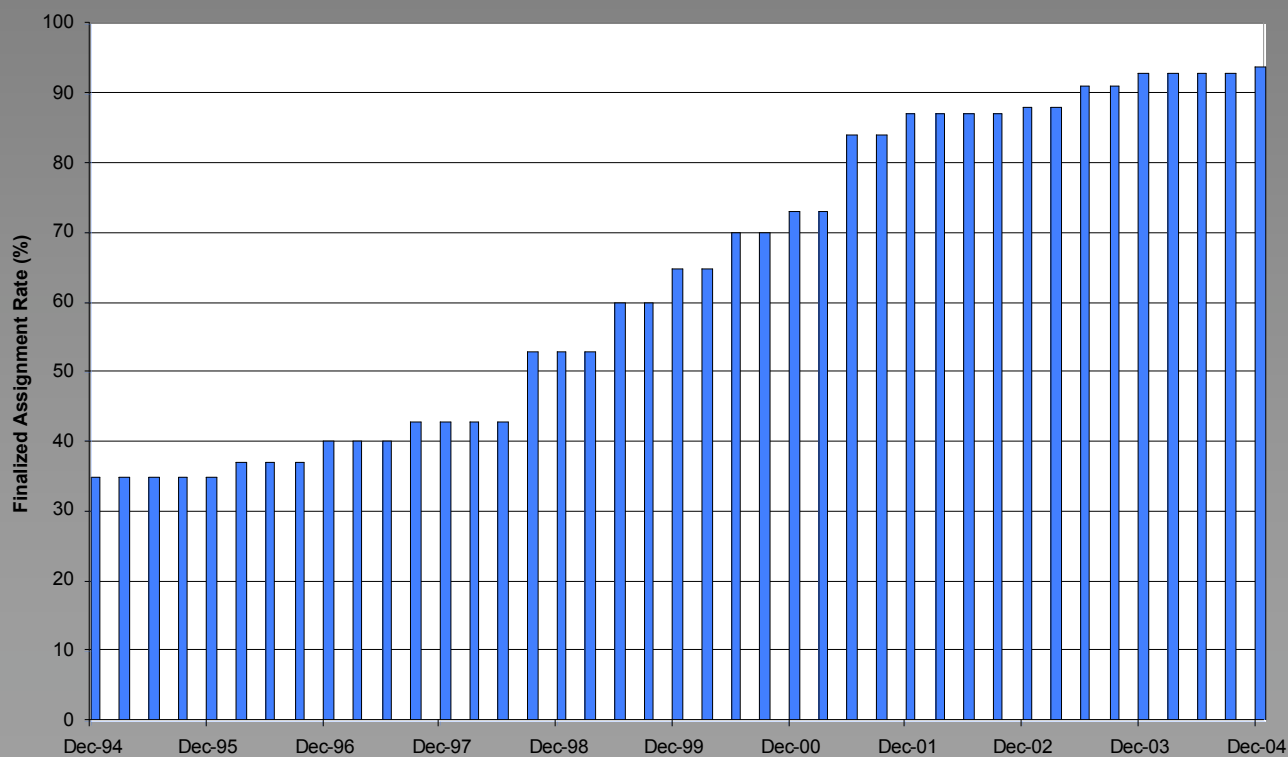




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Ten Year History – Machine Printed Letter Mail

Machine Print Recognition Rate





Goals

- Increased encode rate
 - Reduced error rate
 - Reduce processing costs
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Current Recognition Improvement Programs

- **Traditional algorithmic improvements**
 - Ideas from these and other conferences
 - Independent developments by systems integrators and their subcontractors
 - **Distribution Quality Improvement (DQI) Program**
 - Address mail with incomplete/erroneous address information
 - Utilize commercially available name and address database(s)
 - Built-in privacy protections
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Future Recognition Improvement Programs

- **Continue traditional approach**
 - Integrate orthogonal approaches
 - **Continue DQI**
 - **Convert to Wide Field of View (WFOV) Camera for image acquisition**
 - 256 dpi
 - 6.25 inch vertical scan
 - 160 inch/second transport speed
 - Full mail piece width
 - Grayscale and binary outputs
 - Facilitates multiple binarizations of images
 - Integrate into recognition system
 - Multiple pre-defined binarizations
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