

# **Workgroup #113 Address/Barcode Requirements for FSS**

**February 2007**

- ▶ Introductions
- ▶ Discussion of Issue Statement/Objectives
- ▶ Status / Preliminary Analysis of Follow-up Study
- ▶ Roundtable Discussion
- ▶ Next Steps

## Workgroup Leaders:

- ▶ John Stark - Executive Director Distribution Ops  
Conde Nast Publications
- ▶ Mike Amato - Mgr Engineering Software Management  
USPS
- ▶ Tim Gribben - Mgr Mail Technology Strategy  
USPS

Develop recommendations for address construction & quality :

- ▶ **Barcoding**
  - **Clear zone**
  - **Print quality (blur / skew / reflectance)**
  - **Barcode accuracy**
  - **2009 Intelligent Mail barcode (4-State) requirement**

Develop recommendations for address construction & quality :

- ▶ Address construction / standardization
  - Font size
  - Horizontal (character) spacing
  - Vertical (line) spacing

Develop recommendations for address construction & quality :

- ▶ Address quality
  - Incomplete addresses
  - Missing address elements
  - Print quality (blur / skew / reflectance)

FLAT MAIL ADDRESS & BARCODE ANALYSIS

MTAC Work Group #113

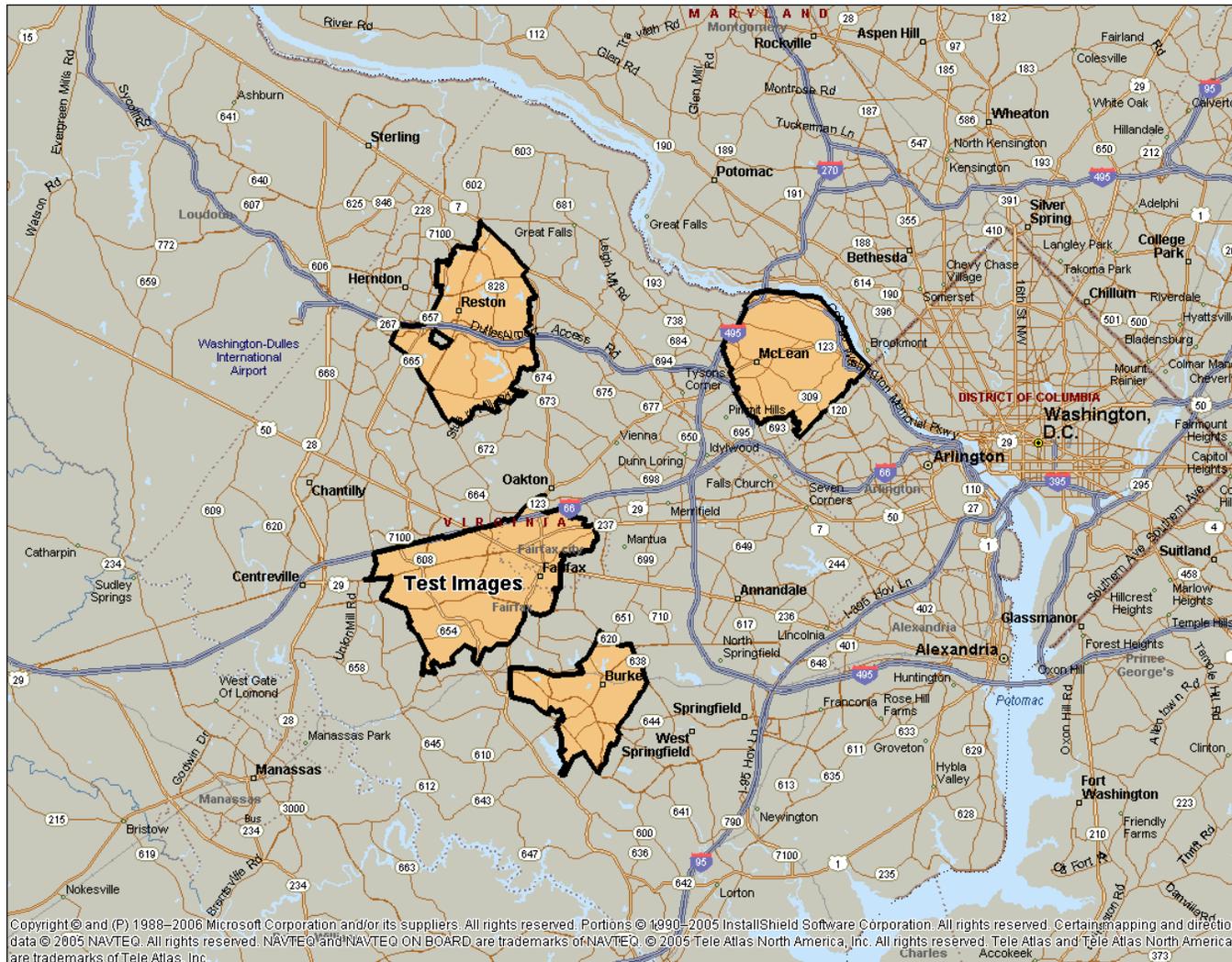
February 6, 2007

- ▶ Flats two pass sequencing operation depends on:
  - Accurate 11 digit bar codes
  - Address readability
  - Address accuracy

- ▶ Assessment of flat mail that will be processed on the future Flat Sequencing System
  - Mail processed on existing flat automation equipment
  - CR-RT bundles that bypass AFSM100 operations

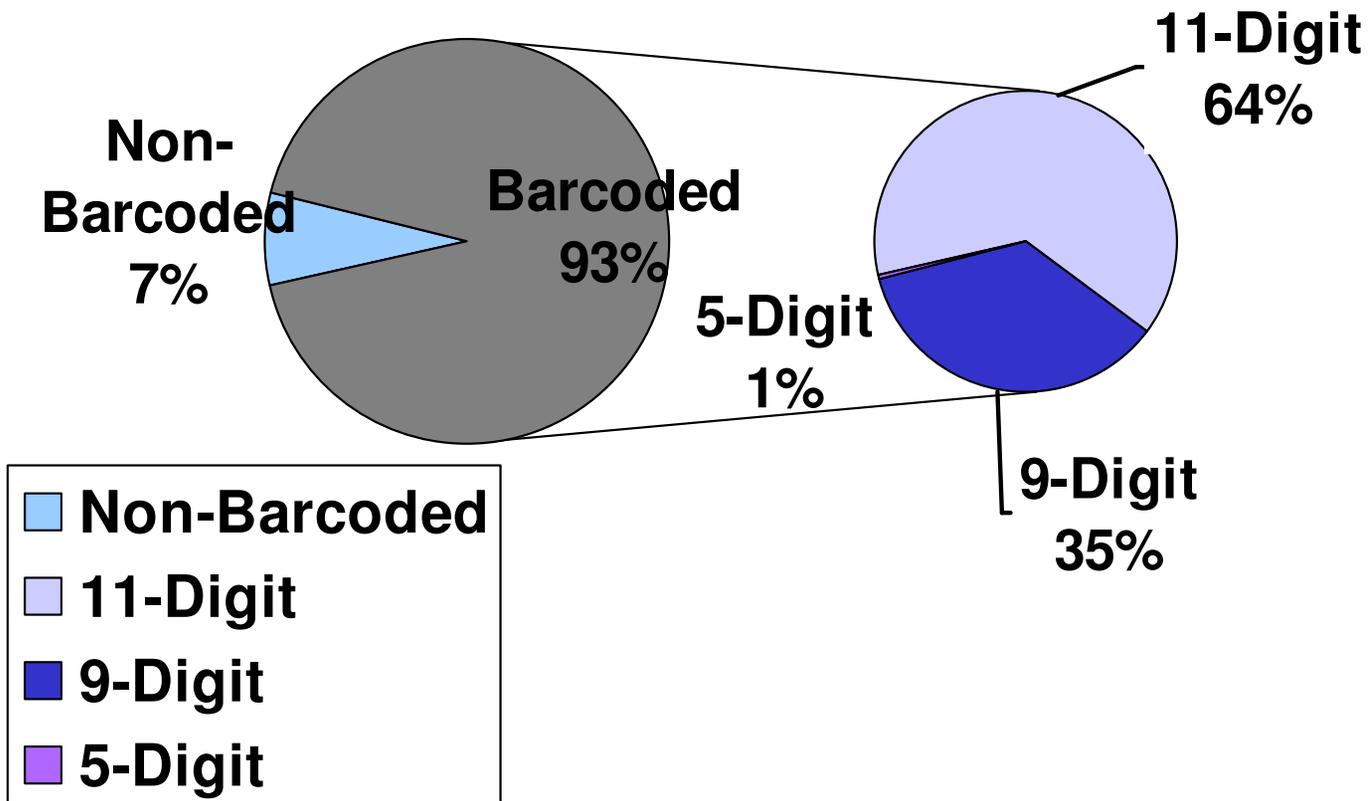
- ▶ **Sample Flat Mail Collection**
  - **Images collected at the carrier unit**
    - » **All classes**
    - » **All mail for the route on sampling days**
  - **Mobile scanning unit similar to FSS technology**
  - **Collection period September 12 to October 6, 2006**
  - **Bundle mail opened and captured**

# Image Collection Areas



## All Pieces

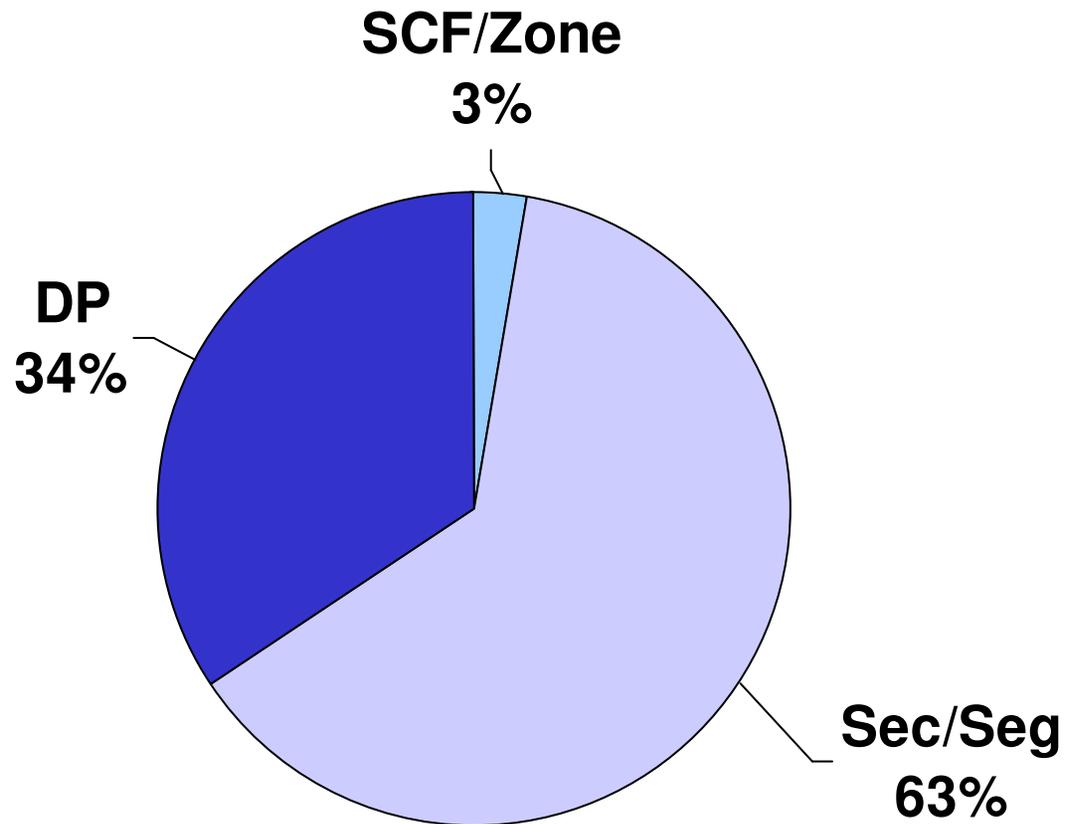
## Barcode Pieces



- ▶ Overall weighted barcode error rate: 3.8 %
  - Error rate by barcode type:

Barcode Length	Error Rate
5 – Digit	.7%
9 – Digit	1.1%
11 – Digit	5.4%

# 11 Digit Barcode Error Analysis



- ▶ Next Steps...
  - Breakdown of plus-4 errors
  - Breakdown of plus-2 errors
  - Analysis of reject pieces
  - Font analysis
  - Categorizing sample by pre-sort level