

RECEIVED

JAN 18 2019

Per \_\_\_\_\_

LABOR RELATIONS



January 15, 2019

Mr. Brian J. Wagner  
President  
National Association of Postal Supervisors  
1727 King Street, Suite 400  
Alexandria, VA 22314-2753

**Certified Mail Tracking Number:**  
7018 0360 0001 9950 9596

Dear Brian:

This letter is in further reference to the Postal Service notice dated September 28, 2018 (enclosed) on the proof of concept regarding the expansion of sensor technology in the mail processing environment at the Mail Recovery Center (MRC) in Atlanta, Georgia.

As previously informed, this initiative consists of utilizing badges and wireless sensor readers to evaluate the effectiveness of the collection of data in an autonomous and passive manner. The technology will be assessed to determine the capability to track workhours in specific operations within the facility without requiring manual operational moves through the Electronic Badge Reader (EBR), identify and/or locate a mail piece or transport equipment within a facility, and generate maintenance or safety alerts.

The expansion to the MRC was delayed (previously scheduled for November 2018) and installation is scheduled to begin in January.

Enclosed are the following:

- Service Talk – Sensor Pilot at the Atlanta MRC
- Instructions titled, Sensor Tag Pilot – Handling and Distribution (MRC)

Please contact Dion Mealy at extension 6861 if you have any questions concerning this matter.

Sincerely,

A handwritten signature in blue ink, appearing to read "R. Dean", with a stylized flourish at the end.

*fw* Rickey R. Dean  
Manager  
Contract Administration (APWU)

Enclosures



September 28, 2018

Mr. Brian J. Wagner  
President  
National Association of Postal Supervisors  
1727 King Street, Suite 400  
Alexandria, VA 22314-2753

**Certified Mail Tracking Number:**  
7018 0360 0001 9950 5666

Dear Brian:

This letter is in further reference to the Postal Service notice dated August 16 (enclosed) on the proof of concept regarding the use of sensor technologies in a plant environment. This initiative was piloted at the Merrifield, Virginia Processing and Distribution Center.

As previously explained, this initiative consists of utilizing badges and wireless sensor readers to evaluate the effectiveness of the collection of data in an autonomous and passive manner. The technology will be assessed to determine the capability to track workhours in specific operations within the facility without requiring manual operational moves through the Electronic Badge Reader (EBR), identify and/or locate a mail piece or transport equipment within a facility, and generate maintenance or safety alerts.

The Postal Service intends to expand the sensor technology initiative to the Dulles Processing and Distribution Center (PDC) in Northern Virginia and the Mail Recovery Center (MRC) in Atlanta, Georgia. Installation will begin in the Dulles PDC in October and the MRC in November.

Please contact Dion Mealy at extension 6861 if you have any questions concerning this matter.

Sincerely,

A handwritten signature in black ink, appearing to read "Rickey R. Dean", written over a horizontal line.

Rickey R. Dean  
Manager  
Contract Administration (APWU)

(CA2018-406)

LABOR RELATIONS



August 16, 2018

Mr. Brian J. Wagner  
President  
National Association of Postal Supervisors  
1727 King Street, Suite 400  
Alexandria, VA 22314-2753

**Certified Mail Tracking Number:**  
7018 0360 0001 9950 6557

Dear Brian:

This letter is in further reference to the Postal Service notice dated September 19, 2017 (enclosed) on the proof of concept regarding the use of sensor technologies in a plant environment.

As previously explained, this initiative will consist of utilizing badges and wireless sensor readers to evaluate the effectiveness of the collection of data in an autonomous and passive manner. The technology will be assessed to determine the capability to track work hours in specific operations within the facility without requiring manual operational moves through the Electronic Badge Reader (EBR), identify and/or locate a mail piece or transport equipment within a facility, and generate maintenance or safety alerts.

The proof of concept evaluation, including installation and testing, will be performed at the Merrifield, Virginia Processing and Distribution Center and is scheduled to begin at the end of August.

Enclosed is a copy of the stand-up talk that will be given to employees on the program. Please contact Dion Mealy at extension 6861 if you have any questions concerning this matter.

Sincerely,

A handwritten signature in black ink, appearing to read "Ricky R. Dean", written over a horizontal line.

Ricky R. Dean  
Manager  
Contract Administration (APWU)

Enclosures

UNITED STATES POSTAL SERVICE  
**Service Talk**  
**Sensor Pilot at the Atlanta MRC**



**Background**

The Atlanta Mail Recovery Center has been selected to be a pilot site in testing and evaluating new sensor technology for the United States Postal Service. Sensors have been installed throughout the facility. The Front Office, Breakroom, and employee restrooms are not part of the test zones. All employees, including supervisors, will be required to wear the new pilot test badges (see picture below), in addition to regular work badges.



Badges will be randomly distributed at the beginning of each shift and will be retrieved prior to the end of each shift.

**Objective**

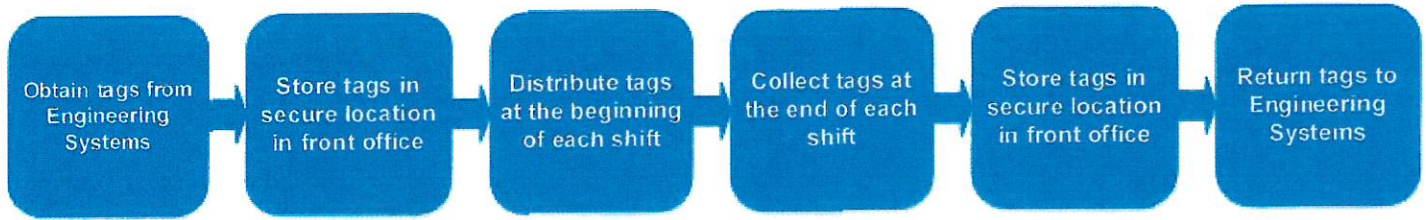
Possible outcomes of this pilot:




- Autonomously identify work hours within operational work zones
- Accurately locate high value assets (e.g., cremains, livestock, etc.) on the workroom floor

January 9, 2019



## Sensor Tag Pilot – Handling and Distribution (MRC)



<b>Important Steps</b>	
<p>Obtain tags from Engineering Systems</p> 	<ul style="list-style-type: none"> <li>• Prior to Pilot - Tags will be provided by Engineering Systems</li> </ul>
<p>Store tags in secure location in front office (Pilot Prep)</p>	<ul style="list-style-type: none"> <li>• In prep for the Pilot, the tags will be stored in a secure location.</li> </ul>
<p>Distribute tags at the beginning of each shift</p> 	<ul style="list-style-type: none"> <li>• Supervisors are responsible for <b>randomly</b> distributing the tags at the beginning of the shift.</li> <li>• Supervisors are responsible for <b>randomly</b> distributing the tags to any employee who reports after the start of the shift.</li> <li>• Supervisors are responsible for ensuring tags are distributed to all employees</li> <li>• In the event there are HR issues associated with the use of the tags, Supervisors will:               <ul style="list-style-type: none"> <li>• Contact the Manager, MRC</li> <li>• Follow existing policies and procedures</li> </ul> </li> </ul>
<p>Collect tags at the end of each shift</p> 	<ul style="list-style-type: none"> <li>• Supervisors are responsible for ensuring all tags are collected.</li> <li>• Supervisors are responsible for collecting all distributed tags approximately 10-15 minutes before the end of the shift.</li> <li>• In the event there are HR issues associated with the use of the tags, Supervisors will:               <ul style="list-style-type: none"> <li>• Contact the Manager, MRC</li> <li>• Follow existing policies and procedures</li> </ul> </li> </ul>
<p>Store tags in secure location in front office (throughout Pilot)</p>	<ul style="list-style-type: none"> <li>• Supervisors are responsible for ensuring all tags are stored in a secure location in the front office, at the end of each shift.</li> </ul>
<p>Return tags to Engineering Systems at end of Pilot</p>	<ul style="list-style-type: none"> <li>• MRC Manager is responsible for ensuring all tags are returned to RFID Pilot Program Office at conclusion of Pilot.</li> </ul>



# **Semi-Autonomous Badging Pilot Standup**

**August 3, 2018**



- **What**
  - Bluetooth Low Energy (BLE) tag system
    - Identifies potentially mis-placed high value assets
    - Automatically detects when an operator is in a work zone
    - Button alert feature
- **Safety**
  - Badges are Federal Communications Commission (FCC) certified (radio signals will not harm humans)
  - Badge buttons will be programmed in the future to allow you to request assistance for operational/maintenance issues
- **Purpose and Benefits**
  - Help maximize machine up time
  - Help reduce the need to manually clock in and out of different operation numbers
- **Process**
  1. Come in
  2. Take pilot badge
  3. Write your name and date
  4. Return pilot badge
  5. Write your name and date