

Docket No. N2012-1

USPS Library Reference N2012-1/67

PREFACE

**Materials Provided in Response to POIR No. 1, Question 22, Regarding  
USPS-LR-N2012-1/31, Mail Processing Equipment Maintenance**

**Corresponding Non-Public Document**

There is no corresponding non-public version of this data.

**Purpose:** This Library Reference provides input data for the columns LCD36\_MPE\_TOT\_BAS and LCD36\_MPE\_TOT\_PRO in USPS-LR-N2012-1/31, "eMARS\_WHEP\_Staffing Changes Final\_AM\_v5 REVISED.xlsx", tab "SiteList." This data shows maintenance hours by equipment type for each site both for base and proposed staffing.

For each of the 335 eMARS sites in "eMARS\_WHEP\_Staffing Changes Final\_AM\_v5 REVISED.xlsx", tab "SiteList," LCD36\_MPE\_TOT\_BAS shows the authorized positions as of September, 2011 and LCD36\_MPE\_TOT\_PRO is the staffing needed for the proposed network equipment as per USPS-LR-N2012-1/37.

This library reference contains detailed eMARS data supporting the calculation of LCD36\_MPE\_TOT\_BAS and LCD36\_MPE\_TOT\_PRO for each of the 335 sites. An overview describing this calculation of mail processing equipment maintenance is given in USPS-LR-N2012-1/32, WHEP Users Guide, 1.0.docm, pages 1-14 (pages 2-3 in particular). For determination of maintenance by equipment type see USPS-LR-N2012-1/59 which contains for each major processing equipment type the prescribed number of annual workhours allocated for preventive, corrective, and operational maintenance. See also USPS-LR-N2012-1/32,MMO-074-00.

**Contents:** This library reference consists of this PDF document plus the following Access files:

WHEP\_SUM\_BAS.mdb  
WHEP\_SUM\_PRO.mdb  
WHEP\_2C\_BAS.mdb  
WHEP\_2C\_PRO.mdb  
WHEP\_2B\_BAS.mdb  
WHEP\_2B\_PRO.mdb  
WHEP\_2A\_BAS.mdb  
WHEP\_2A\_PRO.mdb

## Description of Access Files and Data Definitions

*WHEP\_2A\_BAS.mdb, WHEP\_2A\_PRO.mdb, WHEP\_2B\_BAS.mdb, and WHEP\_2B\_PRO.mdb* -- WHEP\_2A data covers miscellaneous equipment maintained in many postal facilities. WHEP\_2B covers of major equipment maintained in many postal facilities. (BAS supports base period staffing and PRO supports the proposed network staffing.) Each record in these files contains the following data:

AREA\_NAME  
DISTRICT\_NAME  
eMARS SITE\_ID  
SITE\_NAME  
ACRONYM  
CLASS\_CODE  
ACRONYM\_DESC  
QUANTITY  
TOTAL\_HOURS

The first four of these variables is as defined for USPS-LR-N2012-1/31, "eMARS\_WHEP\_Staffing Changes Final\_AM\_v5 REVISED.xlsx", tab "SiteList." (see response to POIR No. 1, Question 22, on USPS-LR-N2012-1/31). ACRONYM and CLASS\_CODE are eMARS categorization of equipment. The specific type of equipment associated with the ACRONYM and CLASS\_CODE is provided by the ACRONYM\_DESC, which describes the equipment. QUANTITY indicates the number of this equipment type that a site is providing maintenance. TOTAL\_HOURS is the total amount of annual hours of maintenance required for this quantity of this type of equipment. There are numerous records for each of the 335 sites in all four of these files. The data for each site needs to cover all the equipment to be maintained at each site.

*WHEP\_2C\_BAS.mdb and WHEP\_2C\_PRO.mdb*: WHEP\_2C covers equipment not included in WHEP\_2A and WHEP\_2B, and also accommodates variations in conditions between facilities that may require different maintenance requirement for equipment included in WHEP\_2A and WHEP\_2B. Each record in these files contains the following data:

AREA\_NAME  
DISTRICT\_NAME  
eMARS SITE\_ID  
SITE\_NAME  
ACRONYM  
ACRONYM\_DESC  
QUANTITY  
TOTAL\_HOURS

This data is defined above in connection with WHEP\_2A and WHEP\_2B. There are numerous records for each of the 335 sites in both these files. The data for each site needs to cover all the equipment not included in WHEP\_2A and WHEP\_2B to be maintained at each site as well as those cases where equipment maintenance recorded in WHEP\_2A and WHEP\_2B needs to be augmented due to local conditions.

*WHEP\_SUM\_BAS.mdb and WHEP\_SUM\_PRO.mdb*: This provides a summary of the workhours reported in WHEP\_2A, WHEP\_2B and WHEP\_2C by site. (So WHEP\_SUM\_BAS.mdb summarizes by site the workhours reported in WHEP\_2A\_BAS.mdb, WHEP\_2B\_BAS.mdb and WHEP\_2C\_BAS.mdb.) There is just one record for each of the 335 sites in these two Access files. Each record in these files contains the following data:

AREA\_NAME  
DISTRICT\_NAME  
eMARS SITE\_ID  
SITE\_NAME  
LCD36\_MPETOTALHOURS  
LCD36\_MPESTAFFTOTALHOURS  
LCD36\_MPETOTALYRS  
HIGH\_BAY\_TOTAL

The variables not defined above are defined as follows:

LCD36\_MPETOTALHOURS - for each site this is the total of TOTAL\_HOURS for all the site's records in WHEP\_2A, WHEP\_2B and WHEP\_2C. (For NDCs it also includes HIGH\_BAY\_TOTAL).

LCD36\_MPESTAFFTOTALHOURS – this is the LCD36\_MPETOTALHOURS adjusted to include allowances for modifications and training (see below).

LCD36\_MPETOTALYRS - this is equal to LCD36\_MPESTAFFTOTALHOURS divided by 1760 hours to convert to work years.

HIGH\_BAY\_TOTAL – total annual workhours at NDCs for cleaning above the multiple layers of conveyors. (These workhours not covered in WHEP\_2A, WHEP\_2B or WHEP\_2C.)

For Mail Processing Equipment, there is an 8% allowance for modifications, and a 6% allowance for alterations or training. So all of the workhours reported in WHEP\_2A, WHEP\_2B or WHEP\_2C are multiplied by a 1.14 factor. In the case of HIGH\_BAY\_TOTAL – only training applies so a 1.06 factor is applied. See USPS-LR-N2012-1/32,MMO-074-00, page 2. The amounts reported for LCD36\_MPETOTALYRS for WHEP\_SUM\_BAS.mdb and WHEP\_SUM\_PRO.mdb should be equal to the amount reported in LCD36\_MPE\_TOT\_BAS and LCD36\_MPE\_TOT\_PRO in USPS-LR-N2012-1/31, “eMARS\_WHEP\_Staffing Changes Final\_AM\_v5 REVISED.xlsx”, tab “SiteList,” respectively, for each site.