DATA ITEM DESCRIPTION

Title: OPTIMIZING THE WORKDAY "M" CURVE REPORT

Number: DI-MGMT-81828
AMSC Number: N9158
DTIC Applicable: N/A
Office of Primary Responsibility: SH/SEA 21L
Applicable Forms: N/A
Approval Date: 20100729
Limitation: N/A
GIDEP Applicable: N/A

Use/relationship: This report will be used by the shipyard and government to measure, identify and act upon detractors that prevent workforce from being on jobsite working.

This DID contains the format and content preparation instructions for the data product generated by the specific and discrete task requirement as delineated in the contract.

Requirements:

1. Format. The report shall be presented in a format similar to that of Figure 1.

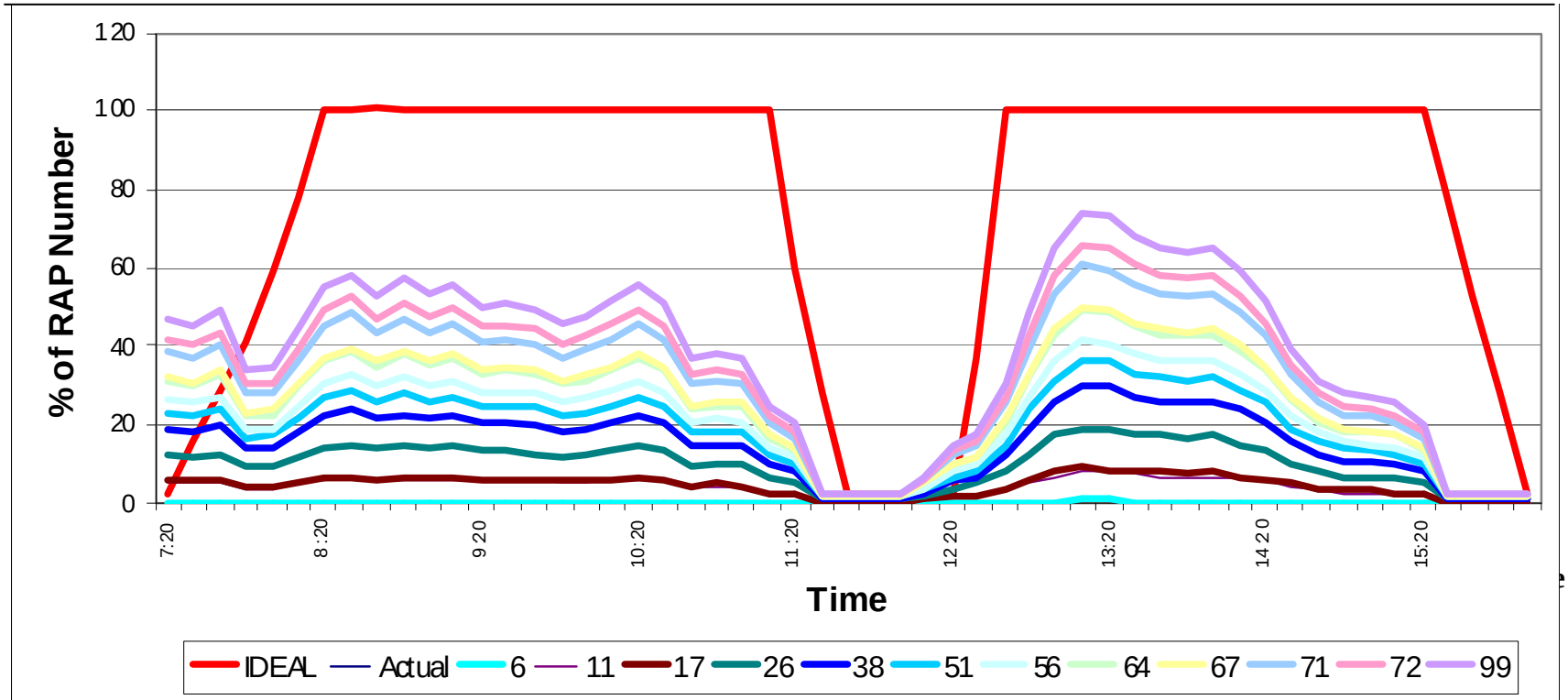
2. Content. The report shall contain all information specified in Figure 1 and the following:

   a. Graphical display of the ideal "M" curve vs. measured "M" curve for total production workforce assigned broken out by trade, referred to as Resource Allocation Process (RAP). The ideal "M" curve is defined as the most optimal, achievable curve when all negative constraints are removed.
   b. Graphic shall display Ideal M curve vs. measured "M" curve, along with Delta, for:
      1) Beginning of ship ramp up time to peak manning (AM time to Peak shown in minutes)
      2) Time duration at peak manning prior to lunch (AM duration at Peak shown in minutes)
      3) Comparison of "measured peak" vs. "expected peak" prior to lunch (AM peak manning (% RAP #))
      4) Prior to lunch ramp-down time from peak manning (AM time from peak to lunch shown in minutes)
      5) After lunch ramp-up time to peak manning (PM time to peak shown in minutes)
      6) Time duration at peak manning after lunch (PM duration at peak shown in minutes)
      7) Comparison of "measured peak" vs. "expected peak" after lunch (PM peak manning (% RAP #))
      8) Prior to end of shift ramp-down time from peak manning (PM time from peak to end of shift shown in minutes)

3. Media requirements. The report shall be presented in electronic media, Adobe Reader 9 or compatible portable document file (.pdf).

4. END OF DI-MGMT-81828.

Sample RFID M-Curve



	AM Time to Peak (mins)	AM Duration at Peak (mins)	AM Peak Manning (% RAP #)	AM Time from Peak to Lunch (mins)	PM Time to Peak (mins)	PM Duration at Peak (mins)	PM Peak Manning (% RAP #)	PM Time from Peak to End of Shift (mins)
IDEAL M-curve	55	170.00	78	25	20	170.00	78	30
MEASURED M-curve	60	60.00	52	80	40	80.00	52	100
Delta	-5	-110.00	-26	-55	-20	-90.00	-26	-70