Best Way - Crew Line-Up

Objective

Improve the accuracy of the lineup information that is provided to TYE employees in order to:

- Improve quality of life
- Enhance ability to secure proper rest / improve on-duty predictability
- Increase availability for work
Definitions and Background

• Definition of “Crew Line-Up”
  • The projected on duty time that is provided to employees in order for them to obtain the proper rest
  • This is NOT Train Line-up – the Crew Line-up is a customer of the train line-up

• Prior to Best Way – Crew Line-up Initiative
  • Employee’s projected on duty time was based on a one to one relationship between the train line-up and the employee’s board standing
    • If a pool employee was 3 times out, we projected them for the 3rd train
    • If an extra board employee was 2 times out, we projected them for the 2nd vacancy that extra board protected
    • If an employee assigned to a non-turn removal pool had a current status of “marked off”, the system would forecast a vacancy for the protecting extra board
    • If an employee was scheduled to go on vacation in 5 minutes, it would not show a vacancy now, but would once the employee was off
Projection Enhancements – Complete

Accuracy Enhancements (implemented)

Take the following into consideration:

- Future layoffs (including vacation)
- Future mark-ups
- Turn handling for layoffs based pool type (Turn and Non Turn Removal)
- Employees returning from “Smart Rest”
- Employees returning from “Unavailable” status
- Employees preferences regarding “Rest Cycles”
- Employee rest
- Build-Up Turns - due to employees not rested
- Build-Up Turns - due to train demand exceeding pool turn supply
FYI: U R 8 hr & 34 min out & stand for GCCDELP901A O/D@ 2108 MT on 0504
What We Store - Standing History

## Screen Capture

### Session D - [24 x 80]

- **BNSF Crew Management**
- **Employee Projected Standing History**
- **Date Range 04/05/10 thru 05/05/10**

**Employee Name: J. DOE**

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<th>Log(CT) Time</th>
<th>Projected Train</th>
<th>Proj O/D Date</th>
<th>Proj O/D Time</th>
<th>Call No</th>
<th>Job Code</th>
<th>Oc</th>
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### Additional Details

- Connected to remote server / host plx.access.bnsf.com
- **Help Main Exit Print**
- Back Fwd EMail Mvt-H C-Inf Prev
What’s Left

Accuracy:

• Secondary Vacancy Projections

Employee Plan Accuracy Report (Design Stage)

• Defines the % of employees who were called +/- 3 hours of their projected on duty time 12 hours prior to on duty
• Drillable reporting available for both Field and TYE
• Reports also define the “Why” behind accuracy variances – Train or People
• Measurement will look something like this –
  • XX% of the employees outbound in the last 24 hours had a projection 12 hours prior that was within 3 hours of projection
  • Of the XX% that were not within the 3 hour variance 12 hours prior, XX% were caused by train event adjustments and XX % were caused by people events