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Purpose

The purpose of this document is to provide guidance and best practices on validating Human Resource Management System data to ensure complete, accurate, and consistent workforce data.

This guide is not exhaustive and will continue to be updated with additional content and recommendations.

Workforce Data

HRMS data is used in many ways and for many purposes. For example:

Agencies might use HRMS data to:
- Reduce risk and ensure compliance of policies, rules, and laws
- Ensure employees receive correct pay and benefits
- Help document the need for new strategies or programs
- Help make informed workforce planning decisions
- Evaluate and monitor program or strategy effectiveness

The Governor’s Office or legislative staff might use HRMS data to:
- Help make informed decisions about the workforce
- Monitor progress towards a goal
- Evaluate program or policy effectiveness

State Human Resources might use HRMS data to:
- Make financial projections that inform collective bargaining and budget decisions
- Help inform enterprise policy and strategy decisions
- Evaluate and monitor program, policy, and strategy effectiveness
- Publish workforce data to the web
- Respond to records, data, and information requests from unions, the media, and private citizens

HRMS data is fed to multiple downstream systems, such as:
- Compensation Impact Model (CIM) for financial projections
- Accounting Financial Reporting System (AFRS) for payroll accounting details
- Washington Workforce Analytics (WWA) for enterprise reporting
- Health Care Authority for health benefits management
- Department of Retirement Systems for retirement benefits management
- Agency shadow systems

If HRMS data is not accurate then employees may not receive correct pay and benefits, agencies could receive penalties from audit findings, financial projections and budget allotments may be inaccurate, and legislative, policy, and strategy decisions may be made based on inaccurate workforce data analysis and conclusions.
Use

This guide will provide suggestions and recommendations for validating and cleaning your HRMS data.

The ultimate goal is to enter data into HRMS correctly the first time. However, there are many reasons why this does not always happen, for example, data entry mistakes, incomplete, untimely, or incorrect information, inconsistent processes, inadequate training, etc. This validation guide should supplement other data entry and internal control best practices, such as:

- Adhere to data standards, definitions, and processes
- Review all data entries (self, peer, lead/supervisor)
- Keep documentation and training materials up to date
- Educate processors on the importance of data accuracy
- Create a data quality culture across all levels of the organization

Validation basics

To validate means to check the validity or accuracy of something. Here are some HRMS data validation tips:

- Look for missing data
- Compare data fields that should match
- Compare related data fields
- Check data fields against source documentation (such as appointment letters, employee completed forms, etc.)
- Check data fields against business rules (such as civil service rules, collective bargaining agreements, and agency policies)
- Use tools and technology to assist (such as vlookup formulas, pivot tables, advanced filtering, conditional formatting, etc. in Excel; or other data analysis tools)
- Develop processes to perform this work regularly and ongoing
- Create and save variants and/or ad hoc reports for repeated use
- Adjust processes and user education upon discovery of errors

When making corrections to coding errors, some data can be corrected in the current period. Work closely with your payroll office for retroactive corrections affecting employee pay, leave, or benefits. Some corrections may require additional action to rectify all affected data; again, work closely with your payroll office when making corrections.

Resources

There are many resources available to assist in validating and cleaning your HRMS data.
The Washington Workforce Analytics enterprise reporting solution has powerful ad hoc reporting capabilities that will make validating your HRMS data easier. Reporting in HRMS is more limited due to minimal ad hoc capabilities; however, there are a number of reports that can assist with your data validation.

This validation guide will list procedures, job aids, coding reference guides, and reports that may be helpful for each data category.

### Affirmative Action & Demographic Data

Affirmative action and demographic data is collected and reported to help determine workforce representation, so that agencies and the enterprise can develop and implement affirmative action plans and strategies to ensure fair representation and make our workforce more diverse and inclusive. In
HRMS, most affirmative action and demographic related data is located on the Personal Data (0002) and Additional Personal Data (0077) infotypes.

Validations

- Are there any missing/blank fields?
- Does the data accurately reflect what the employee disclosed?
- For new hires, does the start date of the Additional Personal Data (0077) infotype record match the employee’s hire date?
- Has the ethnic origin field been correctly determined based on the crosswalk?
- If the employee’s ethnicity is set to Not Hispanic/Latino, is one or more race box selected?
- Do all veterans have the other protected veteran box checked?
- Do employees with military service have both their military status and veteran status fields completed? (An employee could be a veteran, military spouse, and current National Guard/reservist, so be sure to complete all appropriate fields as disclosed by the employee.)
- Do employees with military service also have the Military Service (0081) and Time Specification/Employ. Period (0552) infotypes completed?
  - Do these infotype start and end dates accurately reflect the employee’s prior and/or current military service?
- Have you re-surveyed your employees recently to ensure this data is up to date? Do you have a process in place for employees to notify you of changes?

Reports

- WWA Diversity Profile (HPA003)
- WWA Diversity New Hires (HPA004)
- WWA ad hoc queries
- HRMS Employee and Position Status Report (ZHR_RPTPA231)
- HRMS Flexible Employee Data Report (ZHR_RPTPAN02)

Coding Resources

- HRMS Data Definitions Resource Guide
- Affirmative Action and Demographic Data Guide
- Personal Data, Military Service, and Additional Personal Data user procedures

Date Specifications

Dates on the Date Specifications (0041) infotype are used for various purposes, such as system calculations and processes, enterprise reporting, layoff lists, service awards, and other agency uses. It is important that these dates are accurate and up to date.

Validations

- Does the employee have all the Date Types necessary for system calculations and processes?
- Have applicable dates been updated or adjusted appropriately for scenarios such as:
  - part-time employment?
  - leave without pay?
prior service?
- recent completions (PD, PDP, WMS Review, Prior PID, etc.)?
- current leave eligibility (Personal Holiday, Personal Leave Day, JEV)?
- military service (if your agency uses the Seniority w/ Military Date Type)?
- Are there obsolete Date Types (indicated by ZDNU prefix) on the employee’s current record, or Date Types that are no longer applicable?

Reports
- WWA ad hoc queries
- HRMS Date Specifications Report (ZHR_RPTPA765)
- HRMS Flexible Employee Data Report (ZHR_RPTPAN02)
- HRMS Actions Report (ZHR_RPTPA807)
- Wage Type Reporter (PC00_M99_CWTR)

Coding Resources
- HRMS Data Definitions Resource Guide
- Date Adjustments Guide
- Date Specifications user procedures
- Civil service rules
- Collective bargaining agreements

Employee Addresses

The employee’s residence and mailing addresses are stored in the Addresses (0006) infotype and the employee’s work email address is stored in the Communication (0105) infotype. Because employees can change their addresses via ESS, some agencies have processes in place to monitor these changes.

Employees are required to have a permanent US residence address in HRMS in order to process payroll; mailing addresses are optional. Employees should not have an out of country address in HRMS.

Employee work email address is needed for the “forgot password” and single sign on features for agencies that use Employee Self-Service. It is also necessary for accurate routing of leave request/approval notifications from ESS.

Validations
- Does the employee have a permanent residence address within the US?
- If the employee has a mailing address, is it an address within the US?
- Is the employee’s email address their work email? (note: there may be appropriate exceptions)

Reports
- WWA ad hoc queries
- HRMS Flexible Employee Data Report (ZHR_RPTPAN02)
Employees Paid According to their Job

Employees should be paid based on the job they are performing and the Basic Pay (0008) infotype should accurately reflect the employee’s assigned job and corresponding pay. For most employees, their pay will align with both their assigned position and job. In situations where the employee is performing a job different than that assigned to their position (such as in-training or underfill appointments), the employee should have a direct job to person relationship created and their pay should reflect the planned compensation for the employee’s job and not the position’s job.

One appropriate exception to an employee’s pay not reflecting their job’s planned compensation is when the employee is authorized to be paid above the salary range or band maximum. The employee’s pay scale group should reflect the job’s planned compensation and their pay should be directly valued.

Validations

- Do the employee’s Pay Scale Area and Group fields match the job’s planned compensation?
- If the employee is on a standard, incremental salary schedule (Pay Scale), is their Indirect Valuation field set to “I” (Indirectly Valued)? (note: this does not apply to employees who are paid above the maximum of their salary range)
- If the employee is authorized to be paid above the salary range or band maximum, is their Indirect Valuation field set to blank (directly valued) and their Pay Adjust Reason set to Y Rate (Non WMS Only) or W Rate (WMS Only)? (note: or other applicable Pay Adjust Reason for WMS and EMS employees whose agency received approval from OFM to pay above the band)
- For employees with Assignment Pay or Premium Pay wage types on their Basic Pay (0008) infotype, is there authority to pay these amounts and are they relevant for the employee’s current job and/or position?
  - For positions and employees eligible for various additional pay, has the appropriate wage type(s) been added to the employee’s Basic Pay (0008) infotype?
  - For positions and employees no longer eligible for various additional pay, has the appropriate wage type(s) been removed from the employee’s Basic Pay (0008) infotype?

Reports

- WWA ad hoc queries
- HRMS Job Class Planned Compensation Report (ZHR_RPTOMN05)
- HRMS Compare Actual Base Salary to Planned Compensation (S_AHR_61018798) (note: this report only includes position planned compensation data. For employees with direct Job-to-person relationships, be sure to compare their salary with job planned compensation data instead.)
- HRMS Employee Basic Pay History Report (ZHR_RPTPAIT08)
- HRMS Flexible Employee Data Report (ZHR_RPTPAN02)
- HRMS WMS and EMS Reports (ZHR_RPTPA802)
Coding Resources

- State Human Resources Compensation and job classes website
- HRMS Data Definitions Resource Guide
- In-Training Appointments Coding Reference Guide
- Job to Person Relationship – (Estab. In-training Plan) user procedure
- Job to Person Relationship – (In-training Plan Completed) user procedure
- Personnel Administration user procedures that assign an employee to a position, such as New Hire, Rehire, Appointment Change, and Concurrent Employment Actions
- Civil service rules
- Collective bargaining agreements

Movement from Higher Education to General Government

Additional action is often needed in HRMS (compared to other new hire or rehire actions) when an employee moves, without a break in service, from higher education (or other state agency that does not use HRMS) into a general government agency that uses HRMS.

Validations

- Was the action reason set to Higher Ed to Gnl Gvt?
- If the employee gained permanent status with the higher education institution, do their contract type and work contract accurately reflect their status?
- Has the employee’s service dates been adjusted to account for prior state service?
- Has the employee’s leave balances been manually adjusted as needed?
- Does the employee have a Next Increase Date entered on their Basic Pay (0008) infotype? (note: there may be appropriate exceptions)
- Was the employee put in the correct benefits plans?

Reports

- WWA ad hoc queries
- HRMS Actions Report (ZHR_RPTPA807)
- HRMS Flexible Employee Data Report (ZHR_RPTPAN02)
- HRMS Periodic Increment and Longevity Increase Projection Report (ZHR_RPTPA803)
- HRMS Attendance System Change Report (ZHR_RPTTM084)

Coding Resources

- HRMS Data Definitions Resource Guide
- Date Adjustments Guide
- Basic Pay – Add Next Increase Date user procedure
- Date Specifications user procedures
- Quotas Generate Accruals Manually user procedure
- Civil service rules
- Collective bargaining agreements
Next Increase Date

Next Increase Date is an override to the automated periodic increment and longevity increase process, located on the Basic Pay (0008) infotype. There are many scenarios when a Next Increase Date override is needed. If a Next Increase Date is not entered when necessary, the employee may not receive their periodic increment or longevity increase on the correct date, resulting in an overpayment or underpayment.

Validations
- Ensure a Next Increase Date is entered on all applicable employees. Refer to the Coding Resources (below) for scenarios when a Next Increase Date is needed.

Reports
- WWA ad hoc queries
- HRMS Periodic Increment and Longevity Increase Projection Report (ZHR_RPTPA803)
- HRMS Employee Basic Pay History Report (ZHR_RPTPAIT08)
- HRMS Flexible Employee Data Report (ZHR_RPTPAN02)
- HRMS Actions Report (ZHR_RPTPA807)

Coding Resources
- HRMS Data Definitions Resource Guide
- Basic Pay – Add Next Increase Date user procedure
- Civil service rules
- Collective bargaining agreements

Non-Employees

Non-employees are individuals who receive payment via HRMS but are not typically considered state employees. There are many fields that require specific coding for non-employee positions and employees. Since non-employees are typically excluded from enterprise reporting, it is essential to code these fields correctly. Refer to the Non-Employee Coding Reference Guide for examples of non-employee groups.

Validations
- Are the position’s and employee’s Employee Group fields set appropriately?
- Are the position’s and employee’s Personnel Subarea fields set appropriately?
- Is the employee’s work contract set to Non Employee?
- Are the position’s and employee’s pay fields aligned and set appropriately?
- Is the employee’s Pay Adjust Reason set to Non Employee?

Reports
- WWA ad hoc queries
- HRMS Flexible Employee Data Report (ZHR_RPTPAN02)
- HRMS Employee Duty Station Reports (ZHR_RPTPA805)
Part-time Employees

When an employee works part-time, many fields need to be coded appropriately for HRMS to calculate pay and benefits correctly. Most part-time related fields are located on the Planned Working Time (0007) and Basic Pay (0008) infotypes. These fields also impact calculated measures in enterprise reporting related to percent of position occupied.

Validations

- Is the employee’s Part-time employee box checked?
- Does the employee’s Wage Type on their Basic Pay (0008) infotype align with their Employee Subgroup?
- Does the employee’s Time Management Status align with their Employee Subgroup?
- Does the employee’s Working Hours per Payroll Period align with their Capacity Utilization Level?
- If the employee is hourly and has additional pay entered on their Basic Pay (0008) infotype, is their Capacity Utilization Level set to 100%?
- Do the employee’s Employment Percent and Capacity Utilization Level fields match? (note: there may be appropriate exceptions)
- Has the employee’s seniority date been accurately adjusted for part-time work?

Reports

- WWA ad hoc queries
- HRMS Flexible Employee Data Report (ZHR_RPTPAN02)
- HRMS Employee Basic Pay History Report (ZHR_RPTPAIT08)

Coding Resources

- HRMS Data Definitions Resource Guide
- Part-time Employees Coding Reference Guide
- Appointment Change Action (PA) – Change EE Subgroup or Adjustment of Hours user procedures
- Planned Working Time user procedures
- Basic Pay user procedures
- Civil service rules
- Collective bargaining agreements
Position and Employee Data

There are several fields that exist on both the position and employee. In many situations, the position and employee data should match.

Validations

- Compare the following employee and position fields to determine if they are set appropriately:
  - Personnel Area
  - Personnel Subarea
  - Employee Group
  - Employee Subgroup
  - Pay Scale/Grade Type, Area, Group (see Employees Paid According to their Jobs section)
- Does the employee’s participation in telework/flexwork align with the position’s eligibility?

Reports

- WWA ad hoc queries
- HRMS Flexible Employee Data Report (ZHR_RPTPAN02)
- HRMS Employee Duty Station Reports (ZHR_RPTPA805)
- HRMS Position Duty Station Reports (ZHR_RPTOMN04)
- HRMS IT1018 Position Cost Distribution (ZHR_RPTFI1018)

Coding Resources

- HRMS Data Definitions Resource Guide
- Non-Represented Management Coding Reference Guide
- Non-Employee Coding Reference Guide

Position Reporting Relationships

For agencies that use ESS for leave reporting, it is important that position reporting relationships are accurate so that leave requests are routed correctly. Each leave approver must have an active Manages (A 012) and Is line supervisor (B 002) relationships set up on their position, in addition to the applicable security role assigned.

Validations

- Do all filled positions identified as leave approvers have an active Manages (A 012) relationship?
- Do all filled positions identified as leave approvers have appropriate Is line supervisor (B 002) relationships?
- Do all vacant positions identified as leave approvers have the Manages (A 012) relationship delimited? (necessary to allow the next higher lever chief to approve leave requests)
- Do all vacant positions identified as leave approvers have all Is line supervisor (B 002) relationships delimited? (necessary to allow the next higher lever chief to approve leave requests)
Union Representation

There are two primary fields that indicate a position’s or employee’s representation status: Personnel Subarea and Pay Scale Type. Representation status is used in system processes, calculations, and enterprise reporting; therefore it is important to have accurate data. Representation status may change with an appointment change or due to new or updated bargaining unit descriptions.

Validations

- Does the employee’s Personnel Subarea match the position’s? (note: there may be appropriate exceptions)
- Does the employee’s Pay Scale Type align with their Personnel Subarea?

WMS Positions and Employees

There are many fields that require specific or additional coding for Washington Management Service positions and employees. Correctly coding these fields is essential for accurate enterprise reporting. The position and/or employee is considered WMS if they are assigned a WMS job. However, the two WMS reports in HRMS were built to return positions and/or employees if the Personnel Subarea field is set to WMS.

When you reallocate a position into or out of WMS, or re-band a WMS position, it is especially important to ensure you have reviewed and updated all necessary fields.
Validations

- Does the position have a current working title?
- Does the position have a single active Management Type relationship?
- Does the position have a single active Market Segment relationship?
- Does the position have a single active JVAC relationship?
- Have all old JVAC Points on the position’s Description (1002) infotype been delimited?
- Does the position have active Primary Inclusion and Secondary Inclusion (if applicable) relationships?
- Is the position’s Personnel Subarea field set to WMS?
- Does the position’s planned compensation align with the assigned WMS job (Pay Grade Type = Non-Represented, Pay Grade Area = WMS, Pay Grade = appropriate band)?
- Are the position and employee pay fields aligned and set appropriately? (see Employees Paid According to their Jobs)
- Is the employee’s Personnel Subarea field set to WMS?
- Is the employee’s work contract set appropriately? Was the employee’s status updated after completing their WMS review period?
- Do the employee’s pay fields match the WMS job assigned (Pay Grade Type = Non-Represented, Pay Grade Area = WMS, Pay Grade and Pay Grade Level = appropriate band)?

Reports

- WWA ad hoc queries
- HRMS WMS/EMS Reports (ZHR_RPTPA802)
- HRMS WMS Activity Reports (ZHR_RPTOMN03)
- HRMS Flexible Employee Data Report (ZHR_RPTPAN02)

Coding Resources

- HRMS Data Definitions Resource Guide
- Non-Represented Management Coding Reference Guide
- Washington Management Service website
- Civil service rules

Work Contract and Contract Type

It is important that the employee’s Work Contract and Contract Type accurately reflect the employee’s status. Be sure to update these fields appropriately once an employee has completed a review period. You can easily track when a review period is ending by using the Monitoring of Tasks (0049) infotype and Task Monitoring Report (S_PHO_48000450). Or, you can manually calculate when the review period ends based on the employee’s Appointment Date or Action Effective Date; be sure to consider any review period extensions, prior time that counts, or adjustments due to leave without pay.

Validations

- For employees who have completed a probationary period, is their Contract Type set to Permanent?
• Are there any employees whose work contract still shows a review period even though they have successfully completed it?
  o Review period work contracts = Appntc/Prob (07), Appntc/Trl Srv (08), Appntc/Trnstnl (13), InTrng/Prob (04), InTrng/Trl Srv (05), Probationary (02), Project – Prob (22), Project TrSvc (21), Seasonal – Prob (19), Seasonal TrSvc (18), Trial Service (03), Transitional (10), and WMS Review (23).
• Do all non-employees have their work contract set to non-employee? (see Non-Employees section)

Reports
• WWA ad hoc queries
• HRMS Task Monitoring Report (S_PH0_48000450)
• HRMS Flexible Employee Data Report (ZHR_RPTPAN02)
• HRMS Actions Report (ZHR_RPTPA807)

Coding Resources
• HRMS Data Definitions Resource Guide
• Change of Status Action user procedure
• Monitoring of Tasks user procedures
• Civil service rules
• Collective bargaining agreements

Work County

There are multiple work county data fields in HRMS: Duty Station County, UFI County and Worksite county. These fields are used for different purposes, so it is important that all fields are current and accurate. Because work county data lives on several infotypes in HRMS and is entered by multiple roles, it easily becomes out of sync. UFI address information is entered on the position’s Address (1028) infotype, and an override can be entered on the employee’s Duty Station Address (9105) infotype. Duty station county is entered on the position’s Job Attributes (1660) infotype, and Worksite county is entered on the employee’s Unemployment State (0209) infotype.

Validations
• Are there any missing/blank county fields?
• Do the position’s UFI county (Address (1028) infotype) and Duty Station County (Job Attributes (1660) infotype) fields match?
• Does the employee’s Worksite county match the position’s (or employee’s override) UFI county?
• For appointment changes where the employee changed duty stations, was the Worksite county updated?
• For employees approved to receive location-based additional pay, such as Group C Assignment Pay or King County Premium Pay, do they have the correct wage type(s) added to their Basic Pay (0008) infotype?
• For employees who received location-based additional pay but then moved to a position/county no longer eligible (or otherwise became no longer eligible), was the additional pay wage type(s) removed from their Basic Pay (0008) infotype?
Reports
- WWA ad hoc queries
- HRMS Employee Duty Station Reports (ZHR_RPTPA805)
- HRMS Position Duty Station Reports (ZHR_RPTOMN04)
- HRMS Employee Basic Pay History Report (ZHR_RPTPAIT08)

Coding Resources
- HRMS Data Definitions Resource Guide
- Position – Maintain Address user procedure
- Duty Station Address user procedures
- Unemployment State user procedures