

DPI Standard WFM integration Specification Guide

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DPI Standard WFM Integration Guide

Introduction

This document defines the standard specification for exporting Workforce Management (WFM) payroll data from the Dayforce application for partner payroll integrations. It is designed to provide a consistent and reusable export structure that can be leveraged across implementations, while remaining aligned with Dayforce WFM payroll processing rules.

The WFM export is generated via **Integration Studio** and delivered in **JSON format** through an **API-based integration**. Integration Studio consumes the Dayforce WFM payroll export payload as input and selects a defined subset of payroll-relevant fields to produce a standardized WFM export for DPI. The payload includes employee details, pay summaries, Time Away from Work (TAFW), and schedule-derived payroll results as determined by Dayforce payroll calculation logic.

This guide outlines:

- Field-level definitions and supported data types
- The data objects included in the standard WFM export
- The field-level mappings between the DPI WFM export fields and their corresponding source paths in the Dayforce WFM payroll payload

Audience and Prerequisites

Audience:

- Payroll Partners
- Dayforce Implementation and Integration teams
- Dayforce Product and Support teams responsible for partner onboarding and configuration

Prerequisites:

- General knowledge of the Client's business requirements for workforce management
- Understanding of integration endpoint that will consume the Dayforce exported data
- Familiarity with FTP, JSON.
- Understanding of Dayforce Integration Studio



Export tokens

The following tokens are used as part of the WFM Pay Transmit Integration:

Employee Information - Not date sensitive				
Context	Token	Description	Source Details	Type
Employee Data	emp_xref	External Code representing Employee	root > emp_xref	String
Employee Data	emp_badge	Employees Badge number	root > badge	String
Employee Data	emp_number	Employees External Unique number	root > number	String
Employee Data	emp_senioritydate	Seniority Date	root > senioritydate	String
Employee Data	emp_firstname	First Name	root > firstname	String
Employee Data	emp_middlename	Middle Name	root > middlename	String
Employee Data	emp_lastname	Last Name	root > lastname	String
Employee Data	emp_name	Name	root > name	String
Employee Data	emp_gender	Gender	root > gender	String
Employee Data	emp_ssn	Social Security Number	root > ssn	String
Employee Data	emp_hiredate	Date of hire	root > hiredate	String

Employee Pay Group Details				
Context	Token	Description	Source Details	Type
Employee Data	pay_export_mode	Pay Export mode	root > pay_export_mode	String
Employee Data	paygroup_name	Short Name (internal) representation of Pay Group	root > paygroup_name	String
Employee Data	paygroup_xref	External Code representing Pay Group	root > paygroup_xref	String

Employee Data	periodstart	First Day of Period being exported	root > periodstart	DateTime
Employee Data	periodend	Last Day of Period being exported	root > periodend	DateTime
Employee Data	document_id	Document Id	root > document_id	Integer
Employee Data	document_version	Document version	root > document_version	Integer
Employee Data	paygroup_payrollserviceidentifier	The PSID or identifier for the payroll service	root > paygroup_payrollserviceidentifier	String
Employee Data	paygroup_psid_branchid	Payroll service identifier branch Id	root > paygroup_psid_branchid	String
Employee Data	paygroup_payfrequencycode	The pay frequency code expected by the payroll service (e.g. W or W1)	root > paygroup_payfrequencycode	String
Employee Data	paygroup_payfrequencyinternalcode	Pay frequency internal code	root > paygroup_payfrequencyinternalcode	String
Employee Data	paygroup_psid_payrollnumber	The payroll number (last 4 positions) portion of a payrollserviceidentifier - used by Powerpay	root > paygroup_psid_payrollnumber	String
Employee Data	paygroup_payarrears	True if it is pay arrears	root > paygroup_payarrears	Boolean

Export Transaction Details				
Context	Token	Description	Source Details	Type
Employee Data	transaction_time	The timestamp marking	root > transaction_time	DateTime

		completion of the export.		
Employee Data	transaction_employe ecount	Number of Employees processed in this Export	root > transaction_employe ecount	Integer
Employee Data	transaction_recordsprocessed	Total number of Pay Summary / Retro Adjustment records processed in the Export	root > transaction_recordsprocessed	Integer
Employee Data	transaction_retroprocessed	Total number of Retro Adjustment records processed in the Export	root > transaction_retroprocessed	Integer
Employee Data	emp_transaction_hoursinfile	Employee transaction hours in file	root > emp_transaction_hoursinfile	Decimal

Pay Code information for pay code associated with Pay Summary

Context	Token	Description	Source Details	Type
Pay Summary	pcode_name	Short Name (internal) representation of Pay Code	paysummaries > pcode_name	String
Pay Summary	pcode_xref	External Code representing Pay Code	paysummaries > pcode_xref	String

Pay Category information for pay category associated with Pay Summary

Context	Token	Description	Source Details	Type
Pay Summary	pcat_name	Short Name (internal) representation of Pay Category	paysummaries > pcat_name	String
Pay Summary	pcat_xref	External Code representing Pay Category	paysummaries > pcat_xref	String
Pay Summary	pcat_xref2	Pay category reference 2	paysummaries > pcat_xref2	String
Pay Summary	pcat_defaultmultiplerrate	Default Multiplier associated with Pay	paysummaries > pcat_defaultmultiplerrate	Decimal

		Category. (UNPAID = 0, OT1.5 = 1.5 or 0.5)		
Pay Summary	pcat_deductfromsalaryhours	Pay category deduct from salary hours	paysummaries > pcat_deductfromsalaryhours	Boolean
Pay Summary	pcatgroup_xref	Pay category group reference code	paysummaries > pcatgroup_xref	String

Docket information for Docket associated with Pay Summary				
Context	Token	Description	Source Details	Type
Pay Summary	docket_name	Short Name (internal) representation of Docket	paysummaries > docket_name	String
Pay Summary	docket_xref	External Code representing Docket	paysummaries > docket_xref	String
Pay Summary	docket_ledgercode	Docket ledger code	paysummaries > docket_ledgercode	String

Project information for Project associated with Pay Summary				
Context	Token	Description	Source Details	Type
Pay Summary	project_name	Short Name (internal) representation of Department	paysummaries > project_name	String
Pay Summary	project_xref	External Code representing Project	paysummaries > project_xref	String
Pay Summary	project_ledgercode	Project ledger code	paysummaries > project_ledgercode	String

Pay Summary Details				
Context	Token	Description	Source Details	Type
Pay Summary	isretro	True if the pay summary being processed represents a retro adjustment from a previous period	paysummaries > isretro	Boolean
Pay Summary	nethours	Net hours amount of Pay Summary	paysummaries > nethours	Decimal
Pay Summary	rate	The rate that employee was paid for this Pay Summary	paysummaries > rate	Decimal
Pay Summary	minuteduration	Net Minutes amount of Pay Summary	paysummaries > minuteduration	Integer

Pay Summary	paySummaryId	Pay summary id	paysummaries > paySummaryId	Integer
Pay Summary	workassignment_ledgercode	Work assignment ledger code	paysummaries > workassignment_ledgercode	String
Pay Summary	ispremium	True if the pay summary represents a premium	paysummaries > ispremium	Boolean
Pay Summary	piecequantity	Dollar amount of Pay Summary	paysummaries > piecequantity	Decimal
Pay Summary	businessdate	Date of the Pay Summary	paysummaries > businessdate	DateTime
Pay Summary	paydate	The piece quantity associated with this Pay Summary	paysummaries > paydate	DateTime
Pay Summary	amount	Pay amount	paysummaries > amount	Decimal
Pay Summary	payadjustmentId	Pay adjustment id	paysummaries > payadjustmentId	Integer
Pay Summary	perioddaynumber	The day in the period – e.g.3 for the third day	paysummaries > perioddaynumber	Integer
Pay Summary	taxweeks	Tax weeks	paysummaries > taxweeks	Integer
Pay Summary	taxweeks_from_payperiodstart	Tax weeks from pay period start	paysummaries > taxweeks_from_payperiodstart	Integer
Pay Summary	payperiodnumber_from_businessdate	Pay period number from business date	paysummaries > payperiodnumber_from_businessdate	String
Pay Summary	payperiodend_from_businessdate	Pay period end from business date	paysummaries > payperiodend_from_businessdate	String
Pay Summary	periodstart	Period start	paysummaries > periodstart	DateTime
Pay Summary	periodend	Period end	paysummaries > periodend	DateTime

Pay Period Information for Pay Period current Pay Summary resides in

Context	Token	Description	Source Details	Type
Pay Summary	payperiodstart	First day of Pay Period that Pay Summary resides in	paysummaries > payperiodstart	DateTime

Pay Summary	payperiodend	Last day of Pay Period that Pay Summary resides in	paysummaries > payperiodend	DateTime
Pay Summary	paytimestart	Pay time start	paysummaries > paytimestart	DateTime
Pay Summary	paytimeend	Pay time end	paysummaries > paytimeend	DateTime
Pay Summary	paycalendar_ledgercode1	Ledger Code 1 associated with Pay Calendar that Pay Summary resides in	paysummaries > paycalendar_ledgercode1	String
Pay Summary	paycalendar_ledgercode2	Ledger Code 2 associated with Pay Calendar that Pay Summary resides in	paysummaries > paycalendar_ledgercode2	String
Pay Summary	paycalendar_retro_ledgercode1	Ledger Code 1 associated with Pay Calendar that Retro Pay Summary resides in	paysummaries > paycalendar_retro_ledgercode1	String
Pay Summary	paycalendar_retro_ledgercode2	Ledger Code 2 associated with Pay Calendar that Retro Pay Summary resides in	paysummaries > paycalendar_retro_ledgercode2	String
Pay Summary	paycalendar_payperiod	The pay period the host expects	paysummaries > paycalendar_payperiod	String
Pay Summary	paycalendar_payperiodsuffix	A modifier to the pay period	paysummaries > paycalendar_payperiodsuffix	String
Pay Summary	offsetpayperiodstartdate	Offset pay period start date	paysummaries > offsetpayperiodstartdate	DateTime
Pay Summary	offsetpayperiodenddate	Offset pay period end date	paysummaries > offsetpayperiodenddate	DateTime
Pay Summary	currentperiod_ledgercode1	Ledger Code 1 associated with the period that is exported	paysummaries > currentperiod_ledgercode1	String
Pay Summary	currentperiod_ledgercode2	Ledger Code 2 associated with the period that is exported	paysummaries > currentperiod_ledgercode2	String
Pay Summary	pay_baserate	Pay base rate	paysummaries > pay_baserate	Decimal

Labor Metrics information for Labor Metrics associated with Pay Summary				
Context	Token	Description	Source Details	Type
Pay Summary	lmt_name	Labor metrics short name	paysummaries > lmt_name	String
Pay Summary	lmt_xref	Labor metrics reference code	paysummaries > lmt_xref	String
Pay Summary	lmt_ledgercode	Labor metrics ledger code	paysummaries > lmt_ledgercode	String

Other Employee Details				
Context	Token	Description	Source Details	Type
Pay Summary	emp_normalweeklyhours	Normal weekly hours	paysummaries > emp_normalweeklyhours	Decimal
Pay Summary	emp_averagedailyhours	Average daily hours	paysummaries > emp_averagedailyhours	Decimal
Pay Summary	emp_number_businessdate	Employee number business date	paysummaries > emp_number_businessdate	String

TAFW Details				
Context	Token	Description	Source Details	Type
TAFW	tafw_reasonxrefcode	Time away from work reason reference code	tafw > tafw_reasonxrefcode	String
TAFW	tafw_xrefcode	Time away from work reference code	tafw > tafw_xrefcode	String
TAFW	tafw_statusxrefcode	Time away from work status reference code	tafw > tafw_statusxrefcode	String
TAFW	tafw_statuscodename	Time away from work status code name	tafw > tafw_statuscodename	String
TAFW	tafw_timerequested	Time away from work time requested	tafw > tafw_timerequested	DateTime
TAFW	tafw_timestart	Time away from work time start	tafw > tafw_timestart	DateTime
TAFW	tafw_timeend	Time away from work time end	tafw > tafw_timeend	DateTime
TAFW	tafw_nethours	Time away from work net hours	tafw > tafw_nethours	Decimal
TAFW	tafw_managercomment	Time away from work manager comment	tafw > tafw_managercomment	String
TAFW	tafw_employeecoment	Time away from work employee comment	tafw > tafw_employeecoment	String

TAFW	tafw_payadjname	Time away from pay adjustment code name	tafw > tafw_payadjname	String
TAFW	tafw_allday	True if time away from work all day	tafw > tafw_allday	Boolean
TAFW	tafw_halfday	True if time away from work half day	tafw > tafw_halfday	Boolean
TAFW	tafw_dailyelapsedhours	Time away from work daily elapsed hours	tafw > tafw_dailyelapsedhours	String

Schedules Details				
Context	Token	Description	Source Details	Type
Schedules	sched_payadjcode	Schedule pay adjustment code	schedules > sched_payadjcode	String
Schedules	sched_timestart	Schedule time start	schedules > sched_timestart	DateTime
Schedules	sched_timeend	Schedule time end	schedules > sched_timeend	DateTime
Schedules	sched_nethours	Schedule net hours	schedules > sched_nethours	Decimal
Schedules	sched_shiftrotation_xref	Schedule shift rotation reference	schedules > sched_shiftrotation_xref sched_shiftrotation_xref	String

Sample JSON Output from Standard WFM Integration

This section provides a sample JSON export generated by the standard WFM Integration when the Integration Studio mapping executes successfully. The sample illustrates the structure and fields included in the output based on the mappings defined in Integration Studio.



```
{
  "Employee": {
    "emp_xref": 1111111,
    "emp_number": 1111111,
    "emp_firstname": "Jane",
    "emp_lastname": "Doe",
    "emp_gender": "F",
    "emp_hiredate": "2024-06-01T00:00:00",
    "paygroup_name": "Monthly Test",
    "paygroup_xref": "MON_TEST",
    "periodstart": "2026-01-01",
    "periodend": "2026-02-01",
    "PaySummaries": [
      {
        "pcode_name": "WRK",
        "pcode_xref": "WRK",
        "pcat_name": "REG",
        "nethours": 3.5,
        "rate": 19,
        "amount": 66.5,
        "businessdate": "2025-12-20",
        "isretro": true
      }
    ],
    "TAFW": [
      {
        "tafw_reasonxrefcode": "MON_TAFW",
        "tafw_statuscodename": "Approved",
        "tafw_timestart": "2026-01-12",
        "tafw_timeend": "2026-01-14",
        "tafw_nethours": 16
      }
    ]
  }
}
```



```
"tafw_timestart": "2026-01-12",
"tafw_timeend": "2026-01-14",
"tafw_nethours": 16
}
],
"Schedules": [
{
"sched_timestart": "2026-01-01",
"sched_timeend": "2026-01-01",
"sched_nethours": 8,
"sched_shiftrotation_xref": "MON_ShiftID_Daily"
}
]
}
}
```