# Payroll Interfaces

Data exchange between Webdesk and the payroll provider's accounting system (BMD NTCS, DATEV, ...) runs through **five typical export interfaces**, configured as **connector links** on the payroll system[1] (ps_editSystem). This page describes the interfaces, their data fields and the configuration rules.

## Overview: the five interfaces

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|---|---|---|---|
| 1 | **Person master data part 1** | Person master data connector link | Workflow step "generate difference list" |
| 2 | **Person master data part 2** | Person master data connector link 2 | Workflow step "generate difference list"; the result is attached to the accounting as a raw file |
| 3 | **Fixed components** | Fixed salary components connector link | CSV export button or workflow step |
| 4 | **Variable components** | Variable salary components connector link | CSV export button or workflow step |
| 5 | **Absences** | Absence export connector link | CSV export button or workflow step |

All five are implemented as **linked connectors**: a PS source connector delivers the data, a target connector (usually separator file/CSV) writes the export file in the accounting system's format. Field mapping and target format are therefore maintained entirely in connector administration[2] – making the PS interfaces adaptable per customer and target system without changing the module.

## Person master data (1 + 2)

The master-data exports supply the accounting system with the person data (name, address, entry date, social security number, bank details, labor contract, pay group, cost center, ...). The basis is a dedicated staging table filled from HR-Expert via a connector; comparison with the last state yields the **difference list** (changed persons only).

- The workflow step prefers the links configured on the payroll system; if none are configured, the default names PSExportMAStammdaten-Part1 and PSExportMAStammdaten-Part2 apply.
- Both can be overridden per process activity (extended attributes ConnectorLinkPart1, ConnectorLinkPart2, ConnectorLinkPart1SourceConstraint, ConnectorLinkPart2SourceConstraint).
- If the client's PS configuration is missing (company number, payroll system), the step aborts with "Client not correctly configured for Payroll-Services ...".
- For BMD, internal codes (country, marital status, labor contract, pay group, ethnicity) are translated into BMD codes via shipped **mapping tables**; changes to these mappings require a restart.

## Components and absences (3 + 4 + 5)

The three transaction-data exports deliver the positions of the current accounting[3]. The PS source connectors provide, per position, fields including:

- clientPayrollId – the client's company number (key in the accounting system)
- employeeId – the employee number
- periodStartDate / periodEndDate – the accounting period
- value or noOfHours, for absences fromDate / toDate

- wageTypeName, wageTypeCode, wageTypeSalaryCode, wageTypeAbsenceCode, wageTypeExportCode (already resolved per the precedence rule[4]: system export code before general export code)
- variableUsageType – amount / hourly rate / quantity

Specifics:

- The components connector is configurable: **export zero values** (yes/no) and **export types** (fixed only, variable only, or all components). For fixed components with a valid-from before the period start, additional monthly rows are generated.
- The absence connector has no configuration of its own; it exports the recorded absence intervals of the period.
- If the connector is client-bound, the client restriction is added automatically.
- Number format and encoding of the CSV files are controlled by the PS options csvFileLocale (default de) and csvFileEncoding (default iso-8859-1).

## Configuration rules and storage

- **Link resolution order**: first the client's payroll system, then the fallback names in the PS options (fixedWageTypesExportConnectorLink, variableWageTypesExportConnectorLink, absenceEntriesExportConnectorLink). If neither resolves, the error "No connectorLink could be found ..." appears.
- **Storage of export files**: CSV exports are stored in the accounting's **export history**; the master-data file from part 2 in the **raw files** tab. Downloads are subject to the accounting's document authorization.
- **Visibility of the export buttons**: configurable per workflow activity; holders of the update-admin role always see them.

## Import direction

The way back from the accounting system into Webdesk is currently twofold:

- **Documents**: the accounting results (collective payslip PDFs, evaluations) are uploaded in the accounting's file tabs and brought into the digital personnel file[5] via split and distribution.
- **Data**: person and wage-type imports from BMD run through dedicated connector routes (BMD person import interface); a generic bulk document import into the personnel file is being developed as an extension.

Related pages: Salary Accounting Process[6], Wage Types[7], Digital Personnel File[8].

1. /daisy/personalwolke-admin/11544-dsy.html?language=4
2. /daisy/personalwolke-admin/517-dsy.html?language=4
3. /daisy/personalwolke-admin/11544-dsy.html?language=4
4. /daisy/personalwolke-admin/11545-dsy.html?language=4
5. /daisy/personalwolke-admin/11542-dsy.html?language=4
6. /daisy/personalwolke-admin/11544-dsy.html?language=4
7. /daisy/personalwolke-admin/11545-dsy.html?language=4
8. /daisy/personalwolke-admin/11542-dsy.html?language=4