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

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, see the process definition reference[3]).
- If the client's PS configuration is missing (company number, payroll system), the step aborts with "Client not correctly configured for Payroll-Services ...".

Components and absences (3 + 4 + 5)

The three transaction-data exports deliver the positions of the current accounting[4]. 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[5]: 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.

BMD code mappings in detail

For BMD exports, the module translates internal Webdesk codes into BMD codes via five shipped mapping tables (CSV, semicolon-separated). The tables are loaded into memory at startup – **changes require a restart**.

Country	ISO country code # BMD number	CodeExternal; Land; CodeInternal	1;Österreich;AT
Religious denomination	internal code # BMD number	CodeExternal; Bezeichnung; CodeInternal	1;römisch-katholisch;RK
Labor contract / collective agreement	internal contract code # BMD CA number + sub-number (incl. weekly hours)	CodeInternal; CodeExternal; KVName; NameUnternummer; KVNrBMD; KVUnternummerBMD; Wochenstunden	Handel_ang_allg_wien;8010-1;...;8010;
Pay group	pay group per collective agreement # BMD number	ParentCodeExternal; ParentCodeInternal; CodeExternal; CodeInternal; Verwendungsgruppe	8010-1;Handel_ang_allg_wien;1;BGR 1a;BGR 1a
Marital status	internal status # BMD number	CodeInternal; CodeExternal	MARRIED;2

For the hierarchical mappings (pay group), the *parent* columns reference the labor contract – a pay group therefore always applies in the context of its collective agreement. Missing mappings show up in the export as empty or untranslated codes; in that case, extend the respective table.

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[6] 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[7], Wage Types[8], Process Definition Reference[9], Digital Personnel File[10].

1. /daisy/webdesk-manual-en/admin/11523-dsy/11544-dsy.html
2. /daisy/webdesk-manual-en/admin/po-overview/3731-dsy/517-dsy.html
3. /daisy/webdesk-manual-en/admin/11523-dsy/11548-dsy.html
4. /daisy/webdesk-manual-en/admin/11523-dsy/11544-dsy.html
5. /daisy/webdesk-manual-en/admin/11523-dsy/11545-dsy.html
6. /daisy/webdesk-manual-en/admin/11522-dsy/11542-dsy.html
7. /daisy/webdesk-manual-en/admin/11523-dsy/11544-dsy.html
8. /daisy/webdesk-manual-en/admin/11523-dsy/11545-dsy.html
9. /daisy/webdesk-manual-en/admin/11523-dsy/11548-dsy.html
10. /daisy/webdesk-manual-en/admin/11522-dsy/11542-dsy.html