Guide

General deduction and memo instruction API guide for iHCM NL

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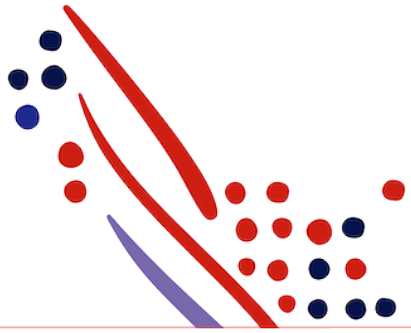

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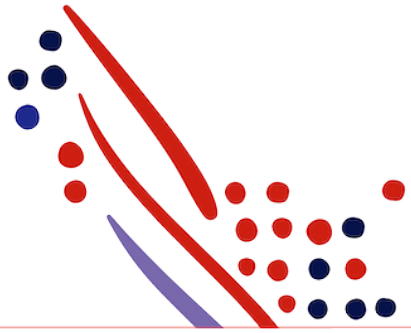

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Chapter 1

About this API guide

This API guide describes the usage of the General Deduction Instruction API (GDI) and the Memo Instruction API (MI), which are structured similarly and therefore are considered together. The GDI is used only for numeric deductions, while the MI is used for passing dates and (alpha)numeric picklist values. Both APIs implement a change call with an associated meta call. The change is used to modify data, where the meta returns the associated json schema form. The targeted data is identified by AOID, paygroup number, and employee code for change. These APIs are supported by the Worker Payroll Instructions API (WP), which implements a GET call for both APIs and relies on the AOID alone.

For technical details and example API calls consult the corresponding developer resource page in the API Explorer on our Developer website.

Data type overview

Consult the table below for selecting an API for your desired datatype if the current one is not what you are looking for.

Data type	API
Variable fields (Vxxx)	Pay Data Input - Add/Replace
Salary fields: 2416 - salary code 2417 - salary amount	Base Remuneration - Change
Numeric fields with empty taxability: P - Percentage B - Amount F - Frequency N - Not defined U - Hours D - Days	Additional Remuneration - Change
Numeric fields with taxability I (deductions)	General Deduction Instruction - Change
Text, Date, Lookup field	Memo Instruction - Change

Chapter 2

API usage

To pass data through a change call, use the URIs below to reach the APIs using POST.

URI overview

API	URI for change
GDI	/events/payroll/v2/worker-general-deduction-instruction.change
MI	/events/payroll/v1/worker-memo-instruction.change

Use GET to retrieve the json schema form corresponding to a paygroup with paygroup code specified by exampleCode by modifying these URIs as follows:

.change/meta?$filter=payrollGroupCode eq 'exampleCode'

For both GDI and MI, the following mapping of parameters is in effect. See also an example request to get a better understanding of this mapping.

Parameter mapping

Interpretation	Parameter
AOID	worker.associateOID
Paygroup number	payrollInstruction.payrollGroupCode
Employee code	payrollInstruction.payrollFileNumber

Use the WP URIs below to retrieve a list of the most recently dated payroll fields belonging to their class of values providved by their respective APIs through a GET call, replacing the {aoid} by the desired AOID value.

URI overview

API	URI for get
GDI	payroll/v1/workers/{aoid}/payroll-instructions/general-deduction
MI	/payroll/v1/workers/{aoid}/payroll-instructions/memo

For GDI, single and multiple deductions are allowed with numerical, possibly negative values for payroll fields with taxability type "I" (for "inhoudingen", i.e. deductions), while MI accepts picklists and date fields only. Note that validation is performed and returned per event and therefore partial validation is possible.

Chapter 3

Scope of Application

The canonical URI corresponding to the API needs to be added in the Consumer Application Registry (CAR) for the subscription following which a user can access this API and make successful API calls.

The following canonicals need to be added to your application scope to enable this use case:

Canonical URI per API

API	URI
General Deduction Instruction Change	payroll/payrollManagement/payrollInstructionManagement/workerGeneralDeductionInstructionManagement/workerGeneralDeductionInstruction.change
Memo Instruction Change	payroll/payrollManagement/payrollInstructionManagement/workerMemoInstructionManagement/workerMemoInstruction.change
Worker Payroll Instructions	payroll/payrollManagement/payrollInstructionManagement/workerGeneralDeductionInstructionManagement/workerGeneralDeductionInstruction.read

Chapter 4

Use Case: Synchronizing Permanent contract indicator details using Memo instruction change Notification

Your application should subscribe to and process the following event change notifications to synchronize data in the event of a data change in the ADP system. The changes described in the following table trigger event notification messages for the Workers - Work Assignment Management API.

Update in the Permanent contract indicator field (2199)

API and Event Type	Sample Payload
/events/payroll/v1/worker-memo-instruction.change/{event-id}	worker-memo-instruction.change/{event-id} sample response