Revenue
Cáin agus Custaim na hÉireann
Irish Tax and Customs

PSDA Workshop

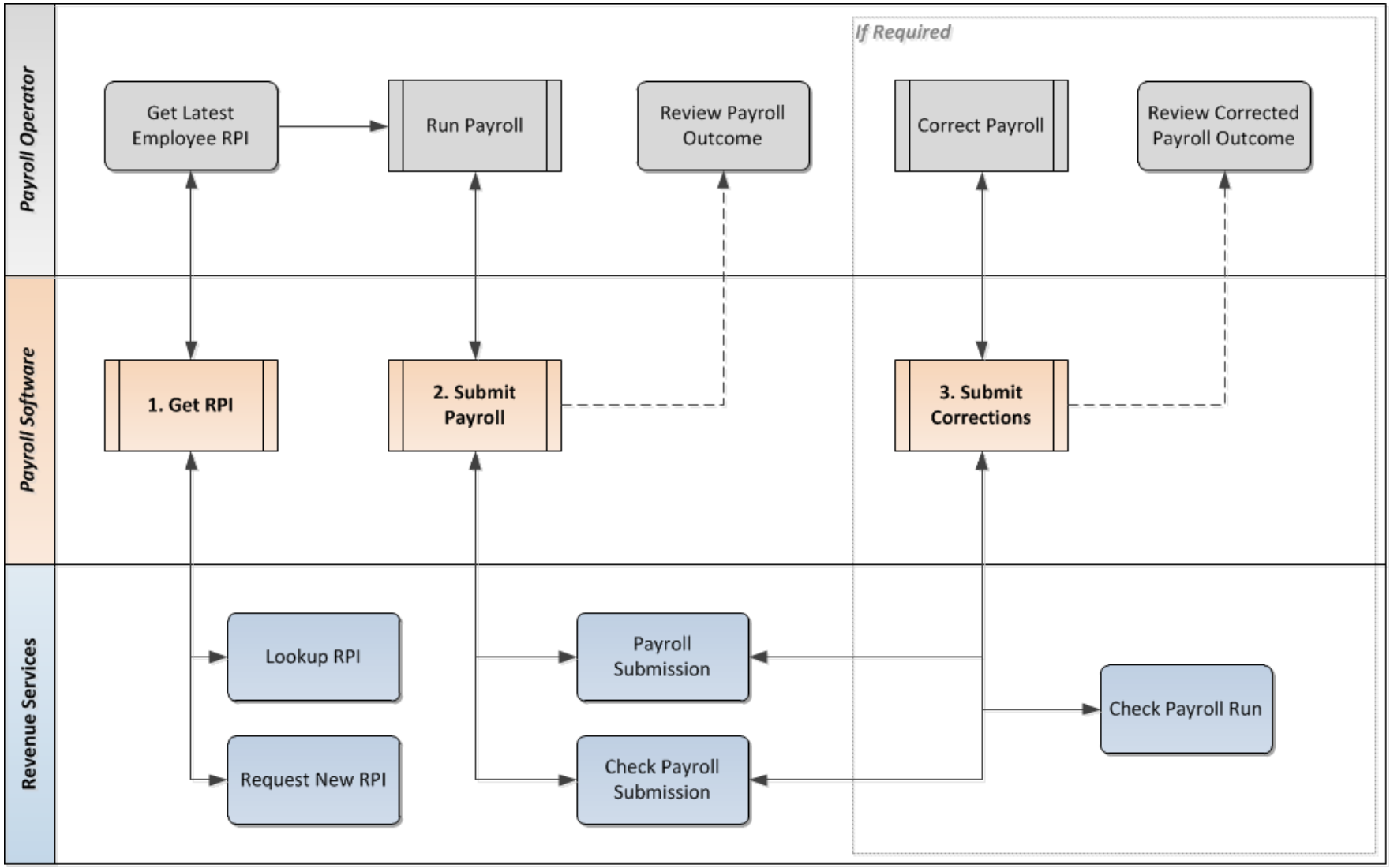
21st June 2017

Agenda

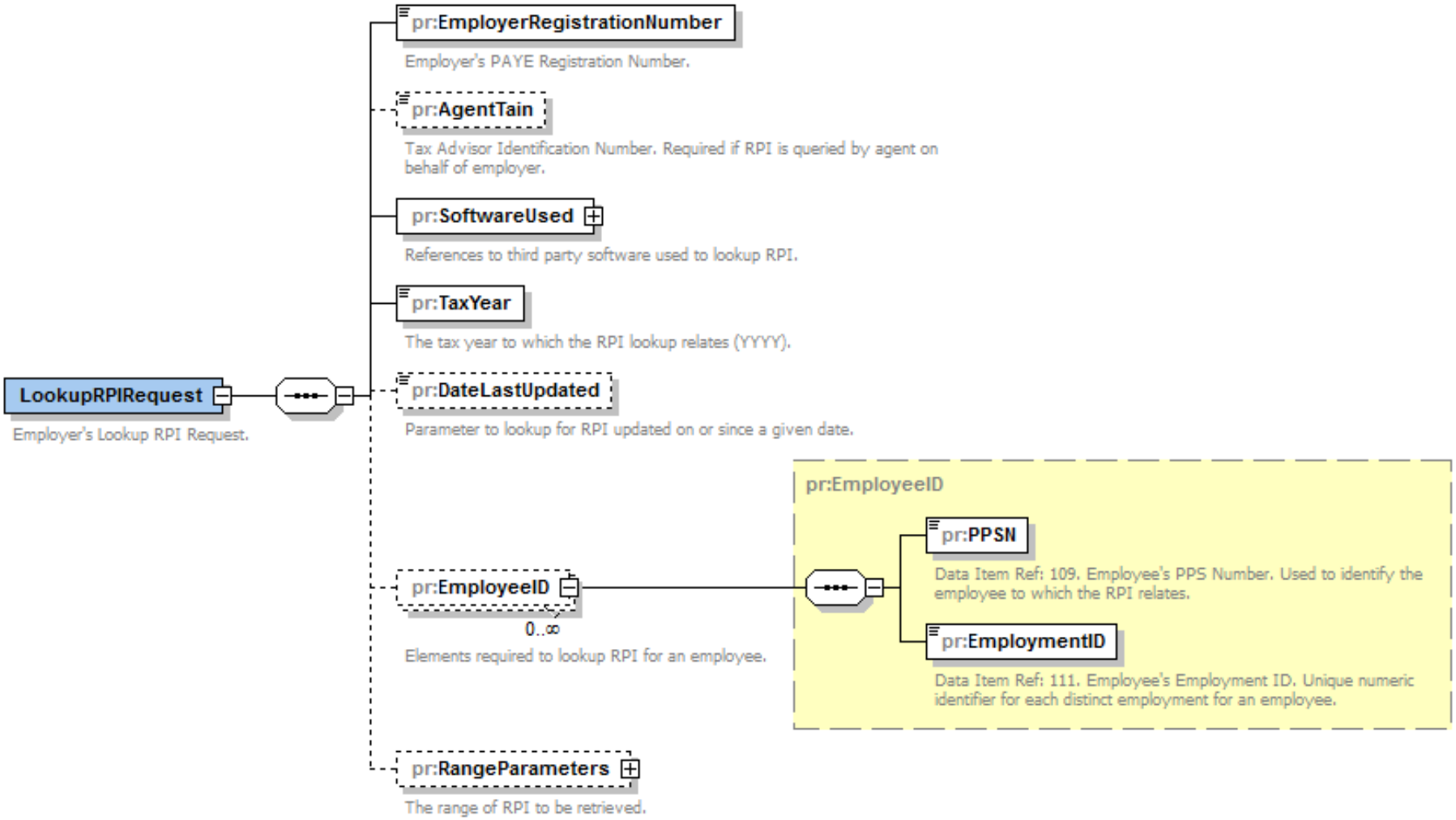
1	Web service flows with examples
2	Schema Validation rules
3	Schema documents to be published
4	Data Items
5	Action Log - updates
6	In year reconciliation
7	AOB

Employer PAYE - Web Service Examples

Recap: Employer Payroll Process – End to End



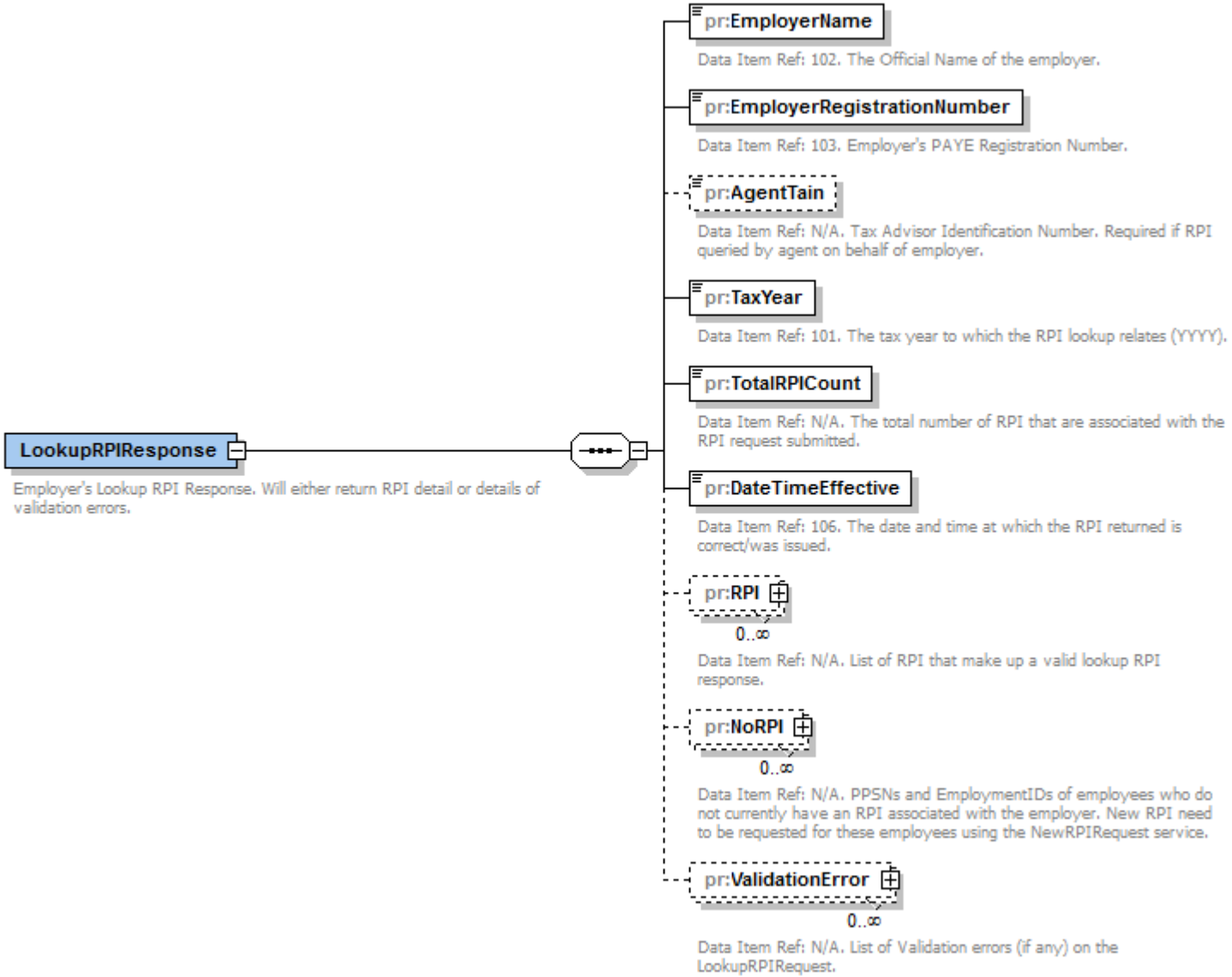
Lookup RPI Request Structure



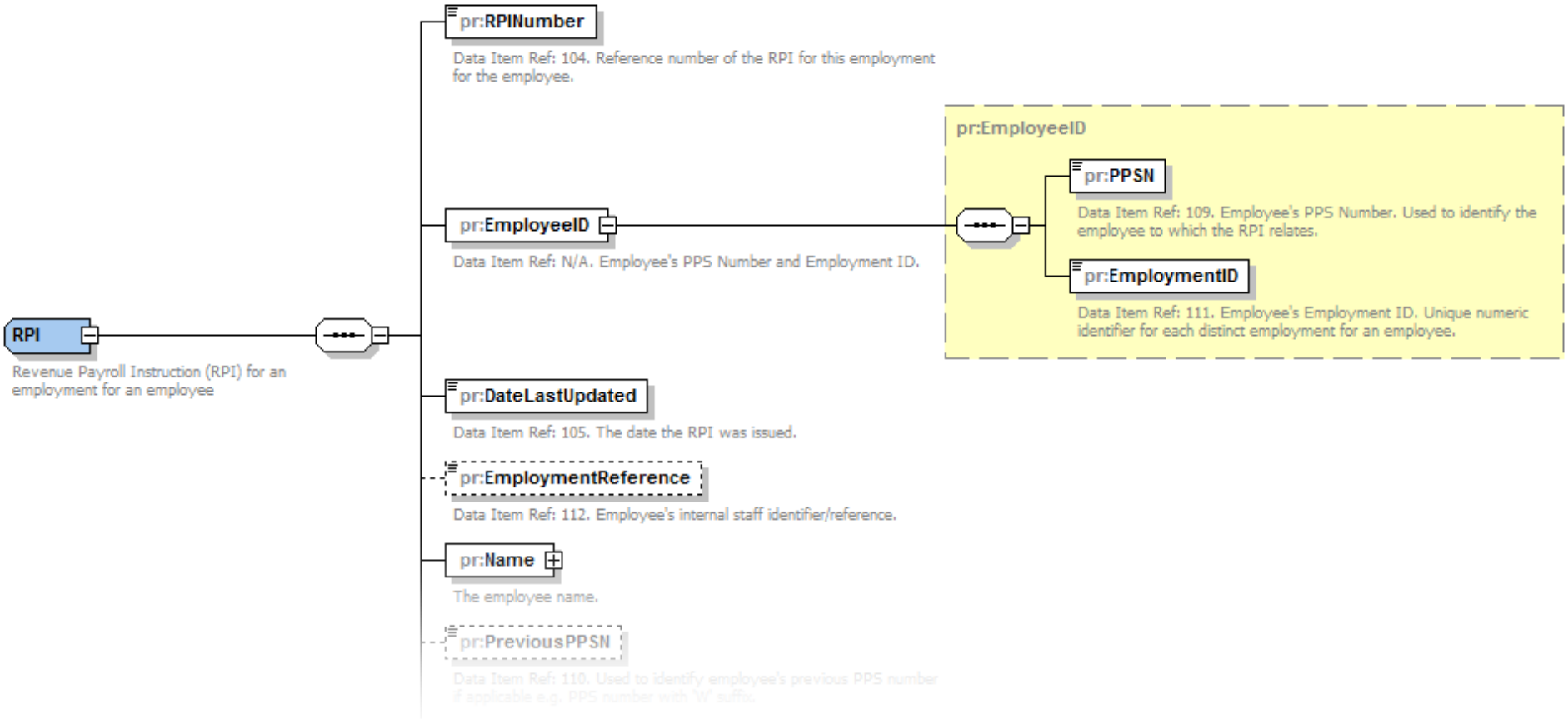
Lookup RPI Request Example

Element	Example Value
EmployerRegistrationNumber	2222222H
TaxYear	2019
DateLastUpdated	25/01/2019

Lookup RPI Response Structure



Lookup RPI Response Structure... continued

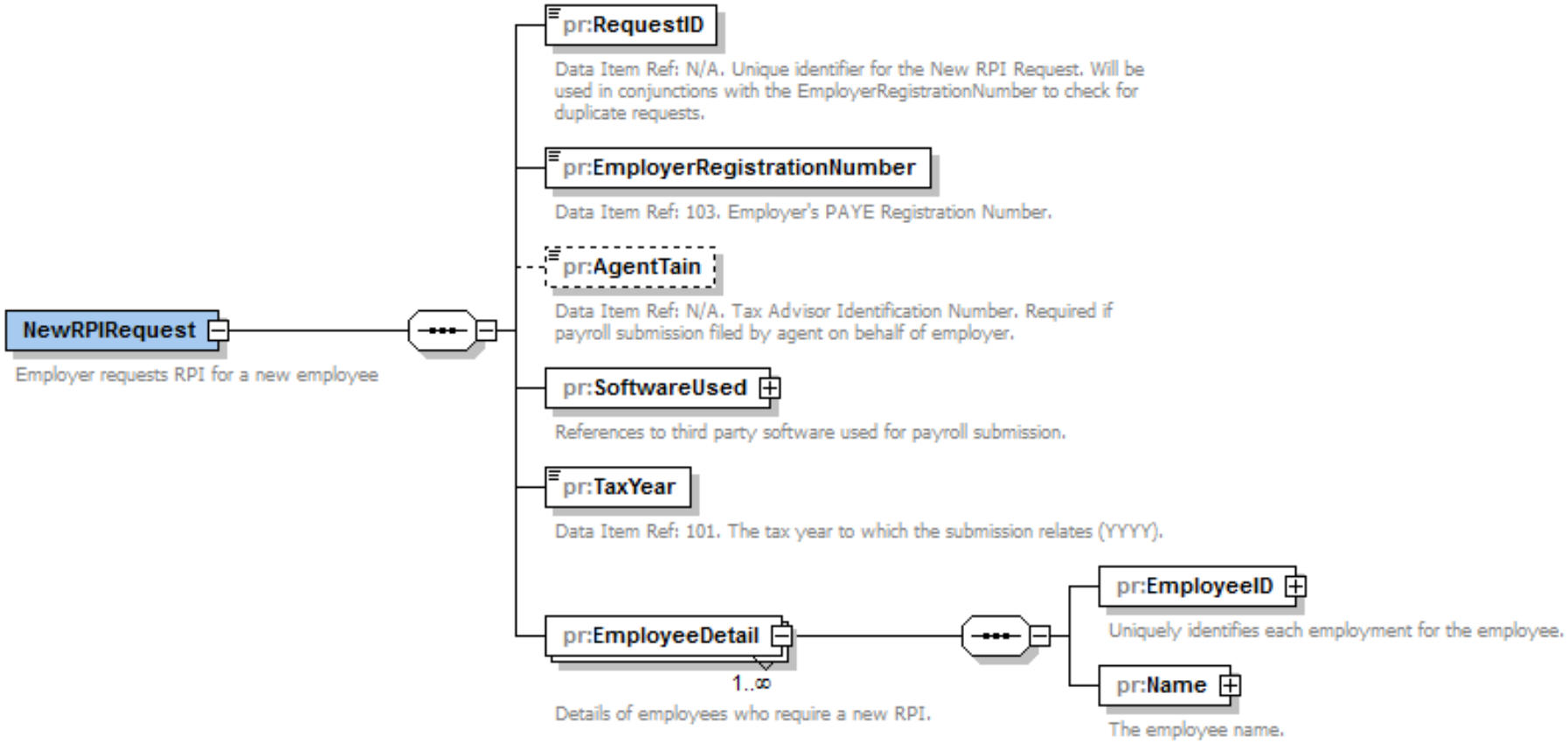


**Note: Not all elements shown in diagram*

Lookup RPI Response Example

Element	Example Value
TotalRPICount	1345
DateTimeEffective	23/02/2017 14:34:12
RPI[1]/RPINumber	1233366678788
RPI[1]/EmployeeID/PPSN	1234567T
RPI[1]/EmployeeID/EmploymentID	1
RPI[1]/CalculationBasis	Cumulative
RPI[1]/YearlyTaxCredits	3660.00

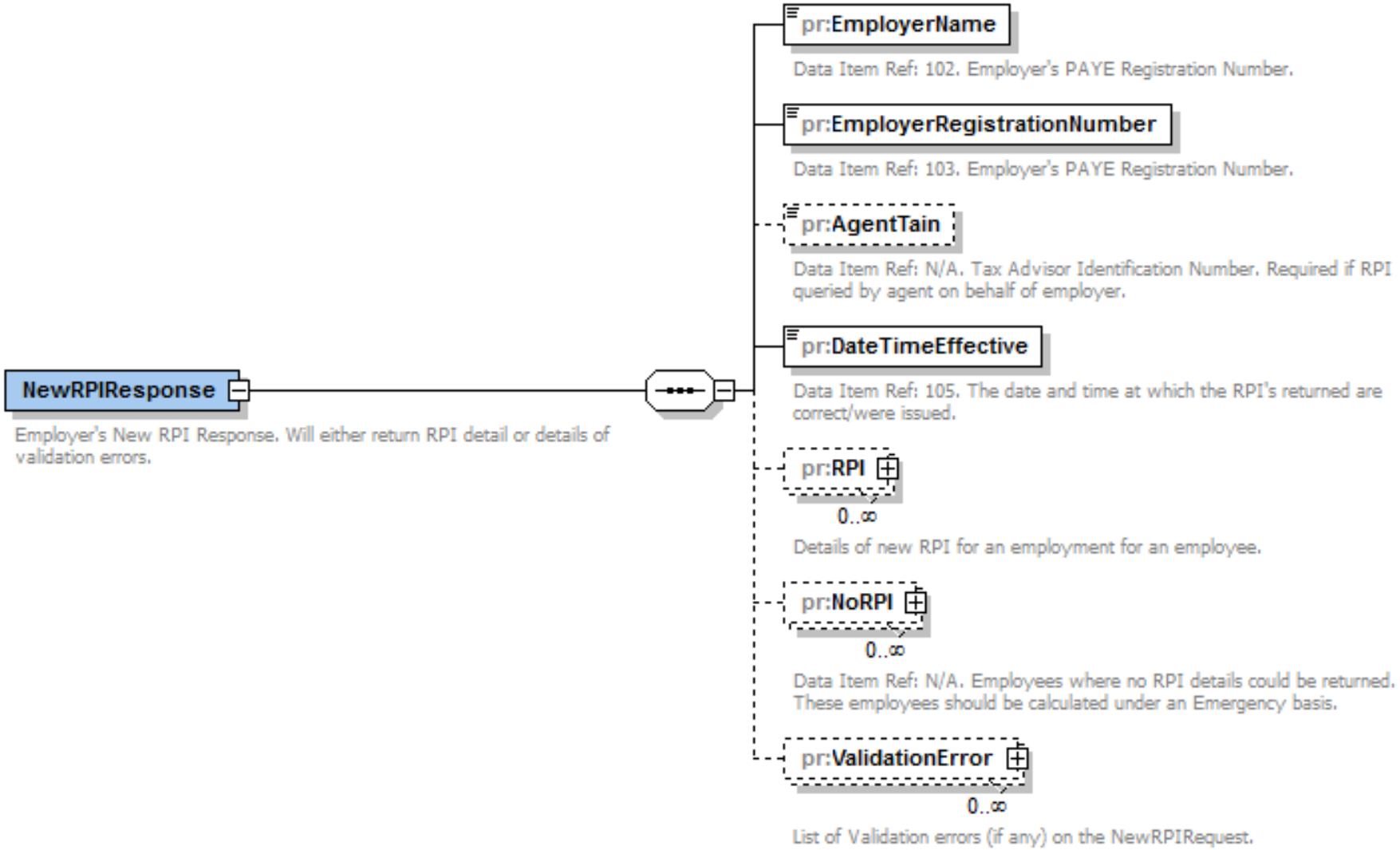
New RPI Request Structure



New RPI Request Example

Element	Example Value
EmployerRegistrationNumber	2222222H
TaxYear	2019
DateLastUpdated	25/01/2019
EmployeeDetail[1]/EmployeeID/PPSN	1234567T
EmployeeDetail[1]/EmployeeID/EmploymentID	2
EmployeeDetail[2]/EmployeeID/PPSN	5556667Y
EmployeeDetail[2]/EmployeeID/EmploymentID	1

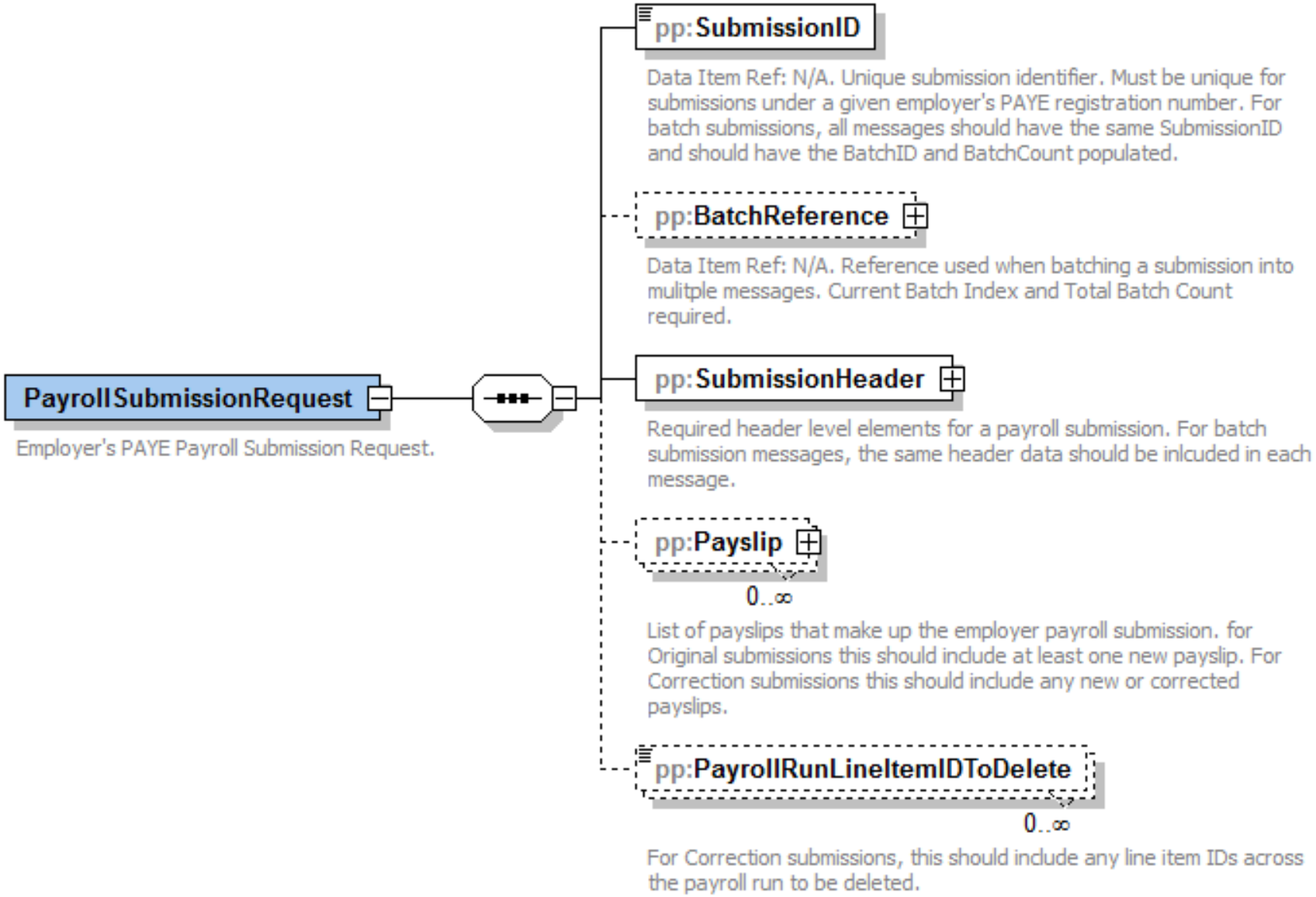
New RPI Response Structure



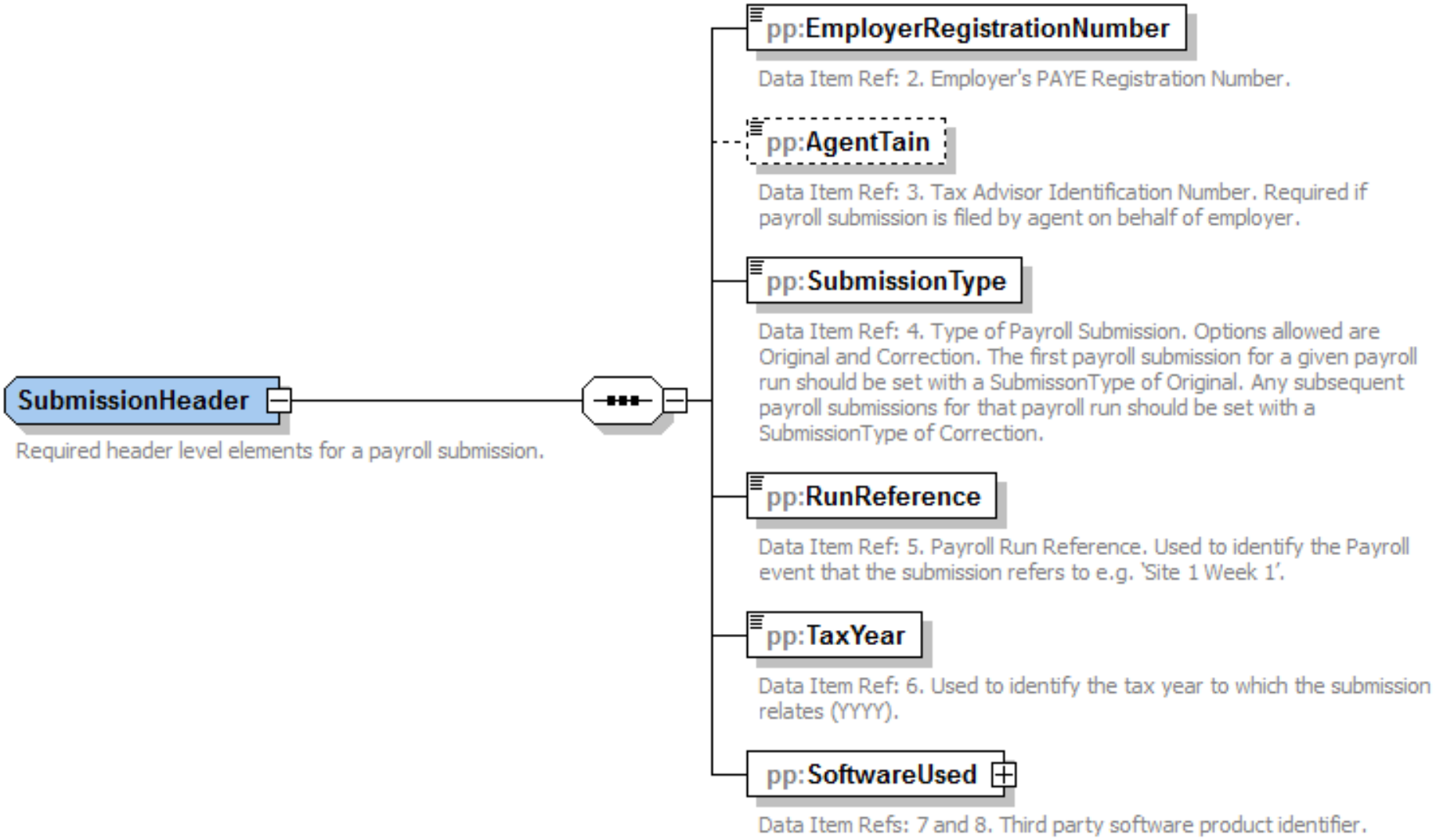
New RPI Response Example

Element	Example Value
DateTimeEffective	23/02/2017 14:34:12
RPI[1]/RPINumber	1453366678768
RPI[1]/EmployeeID/PPSN	1234567T
RPI[1]/EmployeeID/EmploymentID	2
RPI[1]/CalculationBasis	Week1
RPI[1]/YearlyTaxCredits	0.00
NoRPI[1]/PPSN	5556667Y
NoRPI[1]/EmploymentID	1

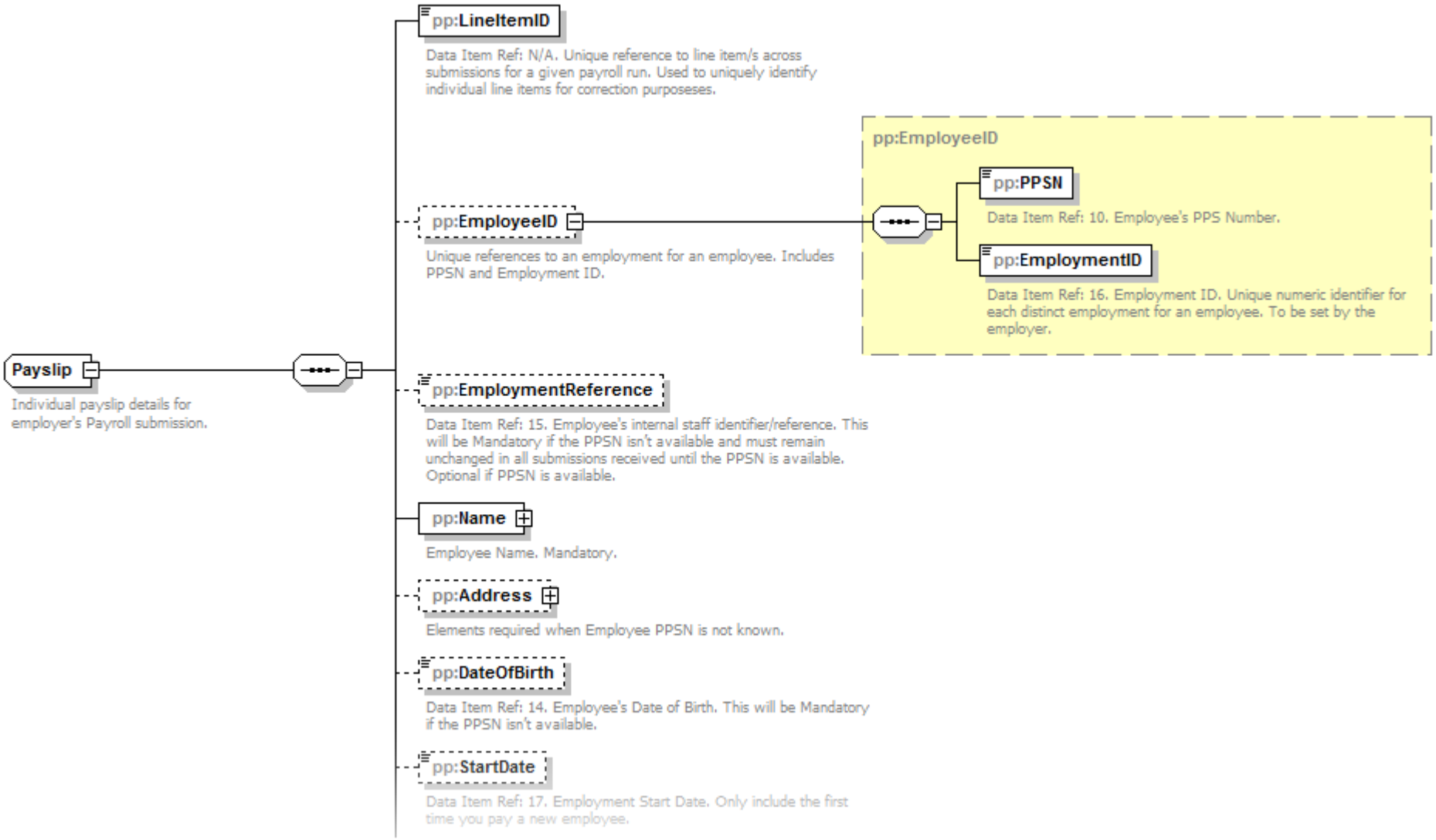
Payroll Submission Request Structure



Payroll Submission Request Structure ... continued



Payroll Submission Request Structure … continued

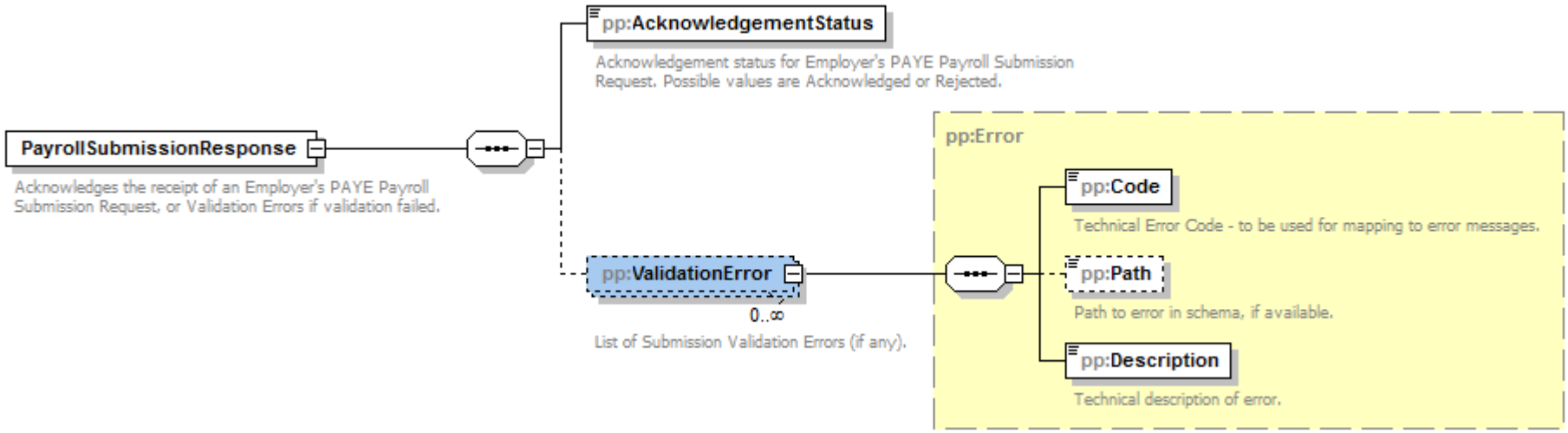


**Note: Not all elements shown in diagram*

Payroll Submission Request Example

Element	Example Value
SubmissionID	1001
BatchReference/Index	1
BatchReference/Count	2
Header/EmployerRegistrationNumber	2222222H
Header/SubmissionType	Original
Header/RunReference	SITE1-WEEK1
Header/TaxYear	2019
Payslip[1]/LineItemID	Employee1-v1
Payslip[1]/EmployeeID/PPSN	1234567T
Payslip[1]/EmployeeID/EmploymentID	1
Payslip[1]/RPINumber	1233366678788
Payslip[2]/LineItemID	Employee2-v1
Payslip[2]/EmployerReference	33512/OP

Payroll Submission Response Structure



Payroll Submission Response Example

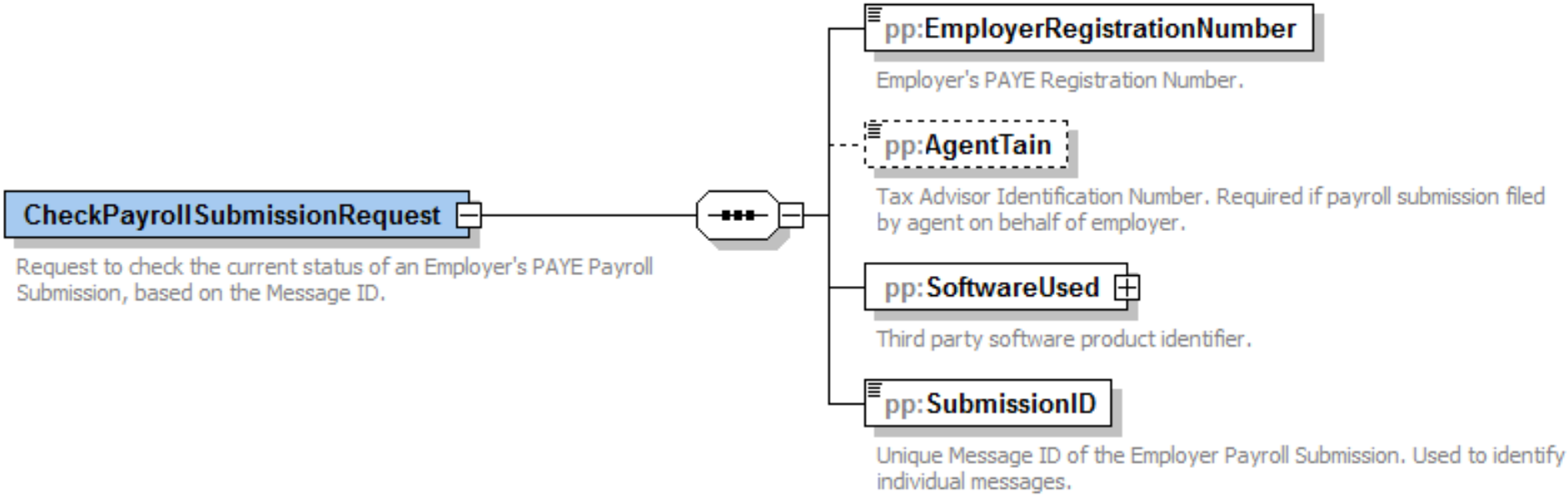
Valid Response

Element	Example Value
AcknowledgmentStatus	Acknowledged

Invalid Response

Element	Example Value
AcknowledgmentStatus	Rejected
ValidationError/Code	1003
ValidationError/Path	PayrollSubmissionRequest/AgentTain
ValidationError/Description	No Active Agent Link to Employer

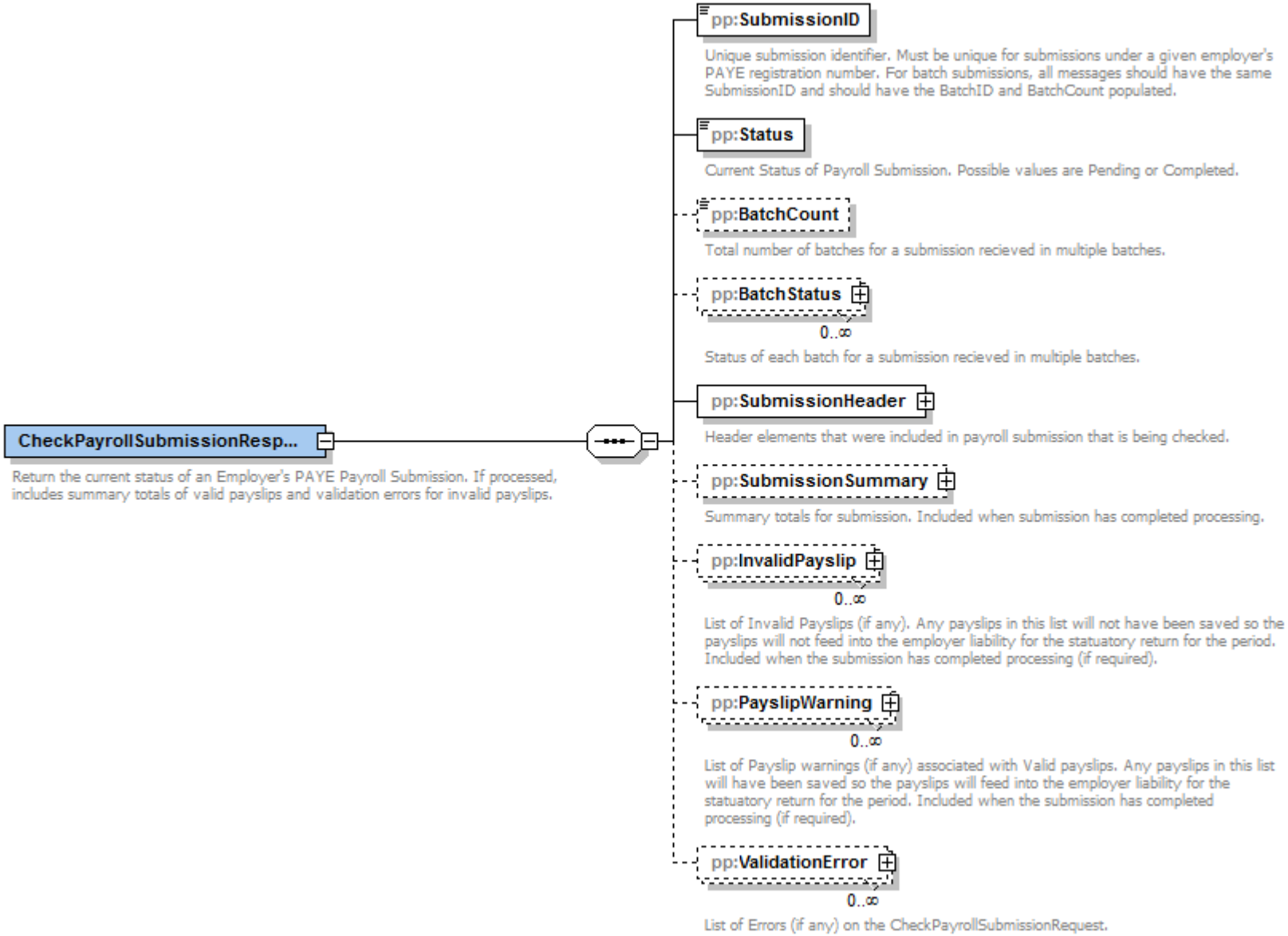
Check Payroll Submission Request Structure



Check Payroll Submission Request Example

Element	Example Value
EmployerRegistrationNumber	2222222H
SoftwareUsed/Name	TheSoftware
SoftwareUsed/Version	10.1
SubmissionID	1001

Check Payroll Submission Response Structure



Check Payroll Submission Response Example

Pending Response

Element	Example Value
Status	Pending

Completed Response (with no validation errors)

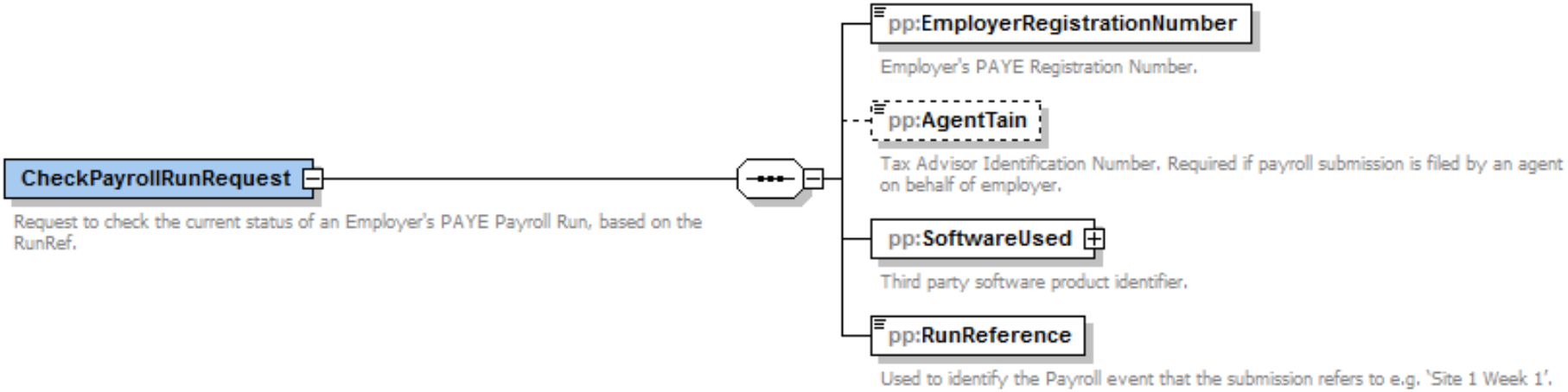
Element	Example Value
Status	Completed
SubmissionSummary/TaxOnIncome	12,054.48
SubmissionSummary/PRSI	1,860.56
SubmissionSummary/USC	376.88
SubmissionSummary/LPT	48.75
SubmissionSummary/PayslipTotal	5

Check Payroll Submission Response Example

Completed Response (with validation errors)

Element	Example Value
Status	Completed
SubmissionSummary/TaxOnIncome	12,054.48
SubmissionSummary/PRSI	1,860.56
SubmissionSummary/USC	376.88
SubmissionSummary/LPT	48.75
SubmissionSummary/PayslipTotal	5
InvalidPayslip/LineItemID	Employee6-v1
InvalidPayslip/Error[1]/Code	2010
InvalidPayslip/Error[1]/Description	No EmployeeID and no EmploymentReference on payslip. At least one is required.

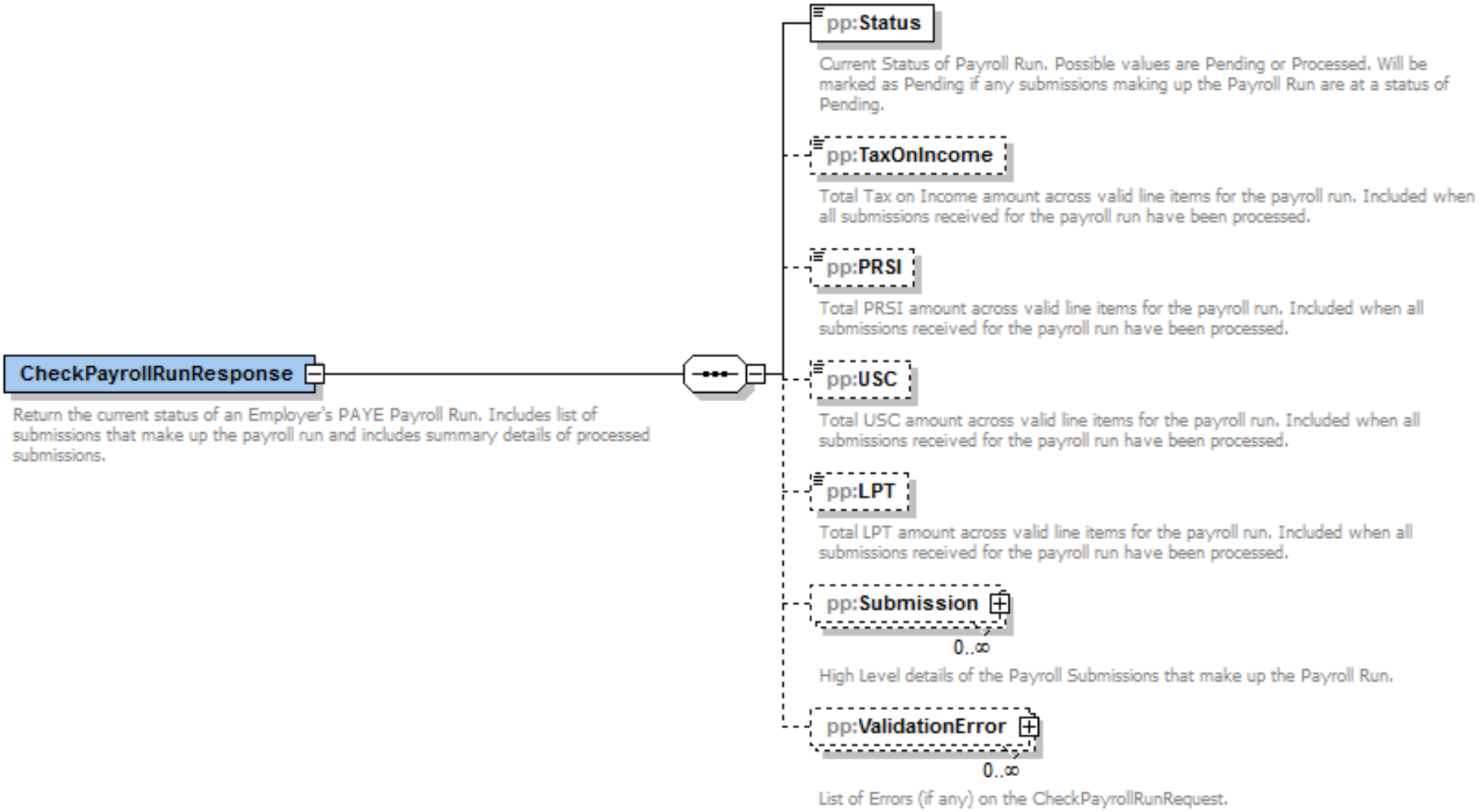
Check Payroll Run Request Structure



Check Payroll Run Request Example

Element	Example Value
EmployerRegistrationNumber	2222222H
SoftwareUsed/Name	TheSoftware
SoftwareUsed/Version	10.1
SubmissionID	SITE1-WEEK1

Check Payroll Run Response Structure



Check Payroll Run Response Example

Pending Response

Element	Example Value
Status	Pending

Processed Response (with no validation errors)

Element	Example Value
Status	Processed
TaxOnIncome	25,130.60
Submission[1]/SubmissionID	1001
Submission[1]/Status	Completed
Submission[1]/Summary/TaxOnIncome	12,054.48
Submission[2]/SubmissionID	1001
Submission[2]/Status	Completed
Submission[2]/Summary/TaxOnIncome	13,076.12

Schema Validation rules

Header Level Validation

Data Item	Data Type	Restrictions	Validation
Submission ID	string	Max Length 50	- Cross validate with Employer Number, to confirm that submisison is not a duplicate
Employer Number	registration	7 digits (including leading zeros) followed by either 1 or 2 letters	- Employer Number is in correct format (mod23 check) - Employer Number exists - Employer Number is active - Cross validate with Employer Number, to confirm that submisison is not a duplicate
Agent Tain	agentRegistration	5 Digits followed by 1 letter	- Agent TAIN is in correct format - Agent TAIN exists - Agent TAIN is active - Agent TAIN has active link to employer number

Header Level Validation

Data Item	Data Type	Restrictions	Validation
Submission Type	submissionType	Original Correction	
Run reference	string	Max Length 50	
Tax Year	premYear	4 digits Min year 2019	- Year in valid range for schema (e.g. schema for use in 2019 tax year). *If validated at schema level, new version required each year.*
Software Used	string	Max Length 100	
Software Version	string	Max Length 100	

Line Item Level Validation

Data Item	Data Type	Restrictions	Validation
Line item ID	string	Max Length 50	Must be unique over the payroll run
PPSN	registration	7 digits (including leading zeros) followed by either 1 or 2 letters	Mandatory unless the Employee doesn't have a PPSN when making the payment. - Validate that PPSN is in correct format (mod23 check)
First Name	string	Max Length 100	
Family Name	string	Max Length 100	
Address 1	string	Max Length 100	Mandatory if no PPSN
Address 2	string	Max Length 100	
Address 3	string	Max Length 100	
County	string		Mandatory if no PPSN
Eircode	string	Max Length 100	

Line Item Level Validation

Data Item	Data Type	Restrictions	Validation
Date of Birth	string	Format DD/MM/YYYY	Validate that correct format date included (i.e. not 31/02/2019) Mandatory if PPSN isn't available.
Employer Reference	string	Max Length 100	Mandatory if the PPSN isn't available. Optional when PPSN is available. Must be unique over the payroll run.
Employment ID	positiveInteger6	6 digits Min value 1 Max Value 999999	Mandatory where PPSN is known.
Employment Start Date	string	Format DD/MM/YYYY	Validate that correct format date included (i.e. not 31/02/2019)

Line Item Level Validation

Data Item	Data Type	Restrictions	Validation
Date of leaving	date	Format DD/MM/YYYY	- Validate that correct format date included (i.e. not 31/02/2019) - Validate that on or after start date (on schema) - Validate that on or after start date (on record) - Validate that not after today's date
Pay Date	string	Format DD/MM/YYYY Min date 01/01/2019	Validate that correct format date included (i.e. not 31/02/2019)
Pay Frequency	payFrequency	Weekly, Two-weekly, Monthly, Twice-Monthly, Four-Weekly, Quarterly, Bi-Annual, Week-based Monthly, Other	

Line Item Level Validation

Data Item	Data Type	Restrictions	Validation
RPI number	string	TBC	TBC
Standard Rate Cut Off Point this period	positiveDecimal	Positive Only	Mandatory where RPI Number is not included
Tax Credits this period	positiveDecimal	Positive Only	Mandatory where RPI Number is not included
PAYE Calculation Basis	calculationBasis	Cumulative Week 1 Emergency	Mandatory where RPI Number is not included
Exclusion order	boolean	True False	
Gross Pay	decimal	Positive or Negative	
Pay for Income Tax	decimal	Positive or Negative	
Income Tax Paid	decimal	Positive or Negative	
Pay for Employee PRSI	decimal	Positive or Negative	
Pay for Employer PRSI	decimal	Positive or Negative	

Line Item Level Validation

Data Item	Data Type	Restrictions	Validation
Employee is exempt from PRSI in Ireland	boolean	True False	
PRSI Class and Subclass	prsiClass	A0, A1, A2, A4, A5, A6, A7, A8, A9, AX, AL B0, B1, B2, BX, C0, C1, C2, CX D0, D1, D2, DX E0, E1 H0, H1, H2, HX J0, J1, J2, J9 K1 M S0, S1, S2	Mandatory if not PRSI exempt.
Insurable Weeks	weeks	Max 2 digits Min value 0 Max value 56	Mandatory if not PRSI exempt.
Employee PRSI Paid	decimal	Positive or Negative	Mandatory if not PRSI exempt.
Employer PRSI Paid	decimal	Positive or Negative	Mandatory if not PRSI exempt.

Line Item Level Validation

Data Item	Data Type	Restrictions	Validation
Pay for USC	decimal	Positive or Negative	
USC Status	uscStatus	Ordinary Exempt	
USC Paid	decimal	Positive or Negative	
Gross Medical Insurance paid by Employer	positiveDecimal	Positive Only	
Pension Tracing Number	pensionNumber	“PBXXXXXX”, where XXXXXX is a number with up to 6 digits. E.g. PB123456	
Amount contributed by Employer to retirement benefit scheme	decimal	Positive or Negative	
Amount contributed by Employee to retirement benefit scheme	decimal	Positive or Negative	
Amount contributed by Employer to PRSA scheme	decimal	Positive or Negative	

Line Item Level Validation

Data Item	Data Type	Restrictions	Validation
Amount contributed by Employee to PRSA scheme	decimal	Positive or Negative	
Amount contributed by Employee to RAC scheme	decimal	Positive or Negative	
Amount contributed by Employee to AVC scheme	decimal	Positive or Negative	
Share Based Remuneration	decimal	Positive or Negative	
Taxable Benefits	decimal	Positive or Negative	
Taxable Lump sum	decimal	Positive or Negative	
Non-Taxable Lump sum	decimal	Positive or Negative	

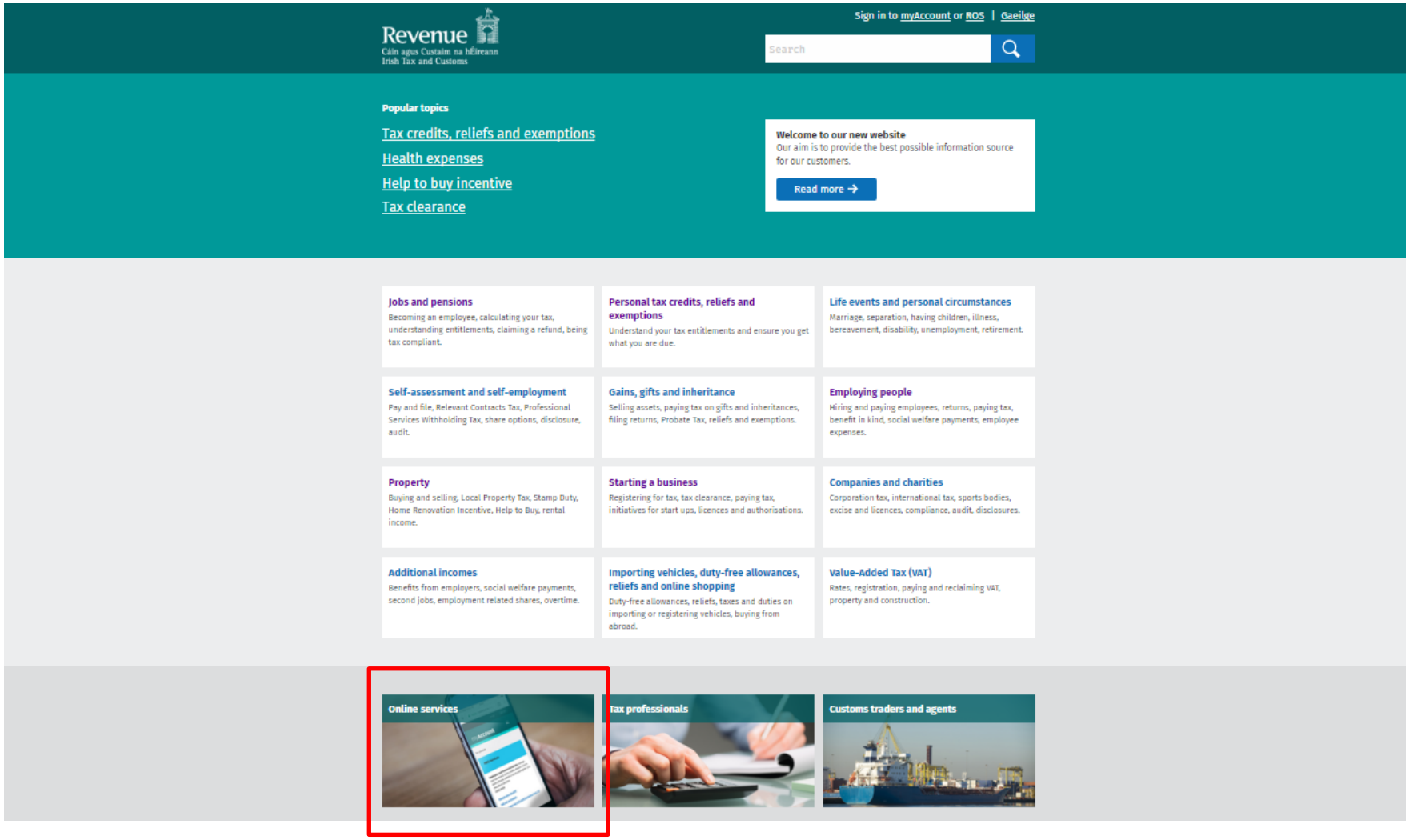
Line Item Level Validation

Data Item	Data Type	Restrictions	Validation
LPT Deducted	positiveDecimal	Positive Only	
Director	directorType	Proprietary Director Non Proprietary Director	
Shadow Payroll Indicator	boolean	True False	
Expected number of pay periods in a full year	string	3 14 26 27 52 53 Other	

Schema Documents to be Published

Documentation Screen Mock-ups

Revenue Home Page



Documentation Screen Mock-ups

Online Services Page with a Link for Software Developers

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Online services

Sign in or register

myAccount

myAccount is a single access point to secure online services such as PAYE services including Jobs and Pensions, HRI, MyEnquiries and more.

Sign in to myAccount →

Register for myAccount

Sign in to myAccount using MyGovID

ROS

Revenue Online Service (ROS) enables you to view your own, or your client's, current position with Revenue for various taxes.

Sign in to ROS →

Register for ROS

Local Property Tax (LPT)

This service allows you to file and, or pay your Local Property Tax and to manage any Household Charge Arrears online.

Sign in to LPT →

List services by:

All | myAccount | ROS

- Claims and refunds
- Customs
- Excise
- Manage your record
- PAYE Services
- Payments
- Property
- Register for an online service
- Tax returns
- Tools and calculators
- Vehicle services

Online services support

- Technical requirements
- Software developers
- Service availability
- Data and security
- Help guides
- Troubleshooting
- Mobile and offline applications

Documentation Screen Mock-ups

Software Developers Page with a Link to PAYE Modernisation Technical Overview

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Software developers

- Technical specifications for customs and excise systems
- Technical specifications for eCustoms
- Excise Movement Control System (EMCS)
- iXBRL
- Third party returns
- PAYE Modernisation Technical Overview

Back to homepage

↑ Back to top

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PAYE Modernisation Technical Overview with a Link to the PAYE Modernisation Public Interface Test Pages in ROS

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Home → Online Services → Software developers

PAYE Modernisation Technical Overview

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Sed luctus nisi sed lacus euismod congue. Fusce nec nisi sollicitudin, accumsan risus vel, mattis sapien. Curabitur eget quam sem. Integer sit amet lacus id nunc tristique dignissim eu vitae dolor. Curabitur accumsan semper suscipit. Nunc at dui sem. Aliquam ultricies mauris nulla, eu facilisis neque suscipit quis. Duis lacus diam, iaculis sit amet nibh ut, molestie facilisis nulla. Praesent porta nisl ut mi viverra, fringilla tempus sem venenatis.

Nam accumsan eros urna, sit amet euismod turpis varius sed. Quisque eget nulla quam. Quisque id mi eget tellus consequat ornare vitae ut dui. Cras gravida sed nulla quis venenatis. Donec vitae iaculis elit. Maecenas nisl elit, lobortis sed tincidunt in, mattis et nibh. Integer vitae vehicula est.

Praesent rutrum ipsum sed luctus ultrices PAYE Modernisation Aliquam id velit id ex faucibus lacinia at vel nis.

Published: 06 June 2017

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Related topics

ROS Developer Support

PAYE Modernisation Business Overview

Back to homepage

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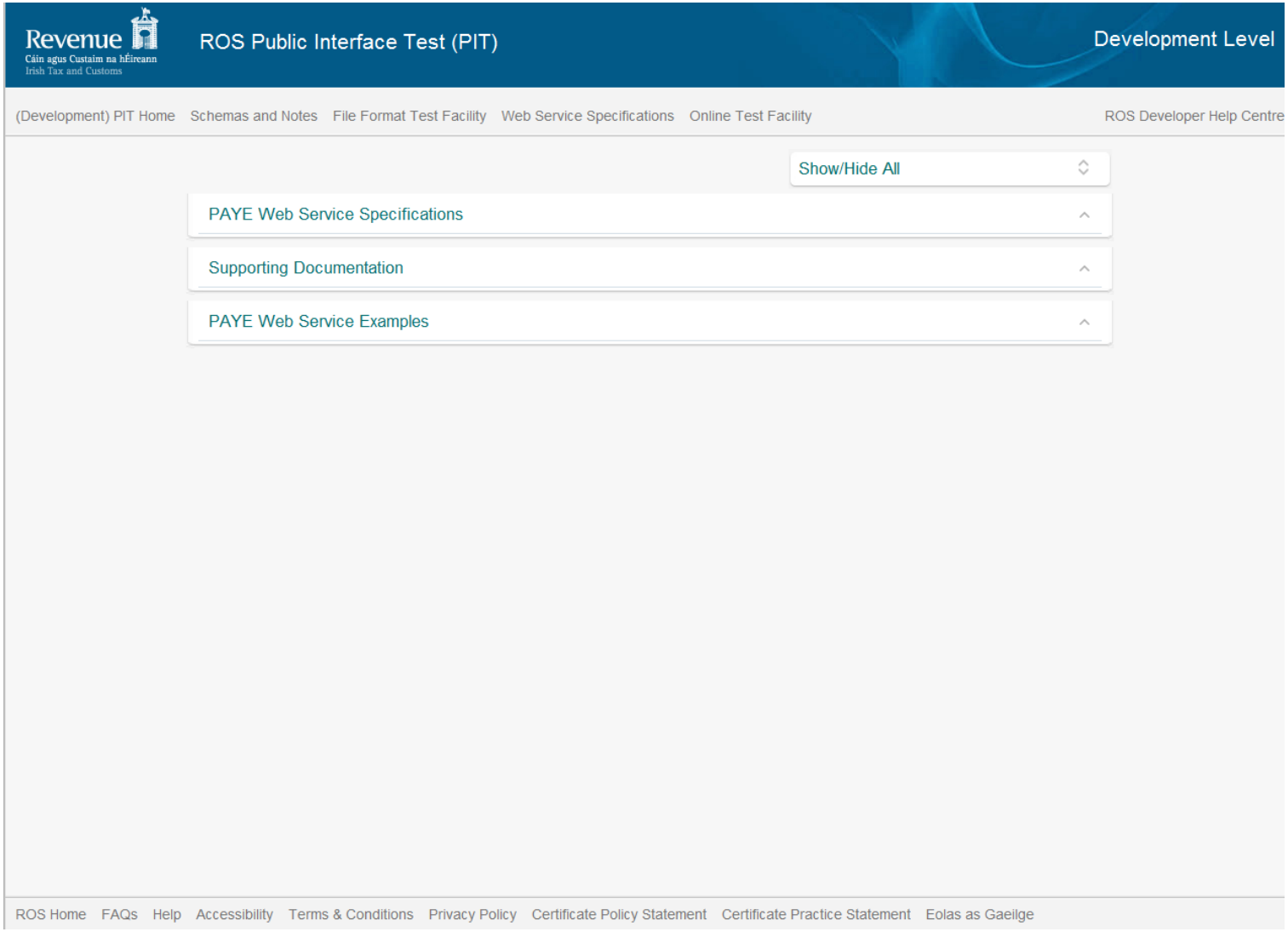
Documentation Screen Mock-ups

PAYE Web Services Menu Page



Documentation Screen Mock-ups

PAYE Web Service Specifications – Links to WSDL & Schema Files

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ROS Public Interface Test (PIT)

Development Level

(Development) PIT Home | Schemas and Notes | File Format Test Facility | Web Service Specifications | Online Test Facility | ROS Developer Help Centre

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PAYE Web Service Specifications

Web Service Description	Tax / Duty	Type	Version	Release
Payroll: Web Service Definition	PAYE	WSDL file	1.0	30/06/2017
RPI: Web Service Definition	PAYE	WSDL file	1.0	30/06/2017
Payroll Schema	PAYE	Schema	1.0	30/06/2017
RPI Schema	PAYE	Schema	1.0	30/06/2017
Common PAYE Types Schema	PAYE	Schema	1.0	30/06/2017

Supporting Documentation

PAYE Web Service Examples

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Supporting Documentation – Links to Developer Support Documentation

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PAYE Web Service Specifications

Web Service Description	Tax / Duty	Type	Version	Release
Payroll: Web Service Definition	PAYE	WSDL file	1.0	30/06/2017
RPI: Web Service Definition	PAYE	WSDL file	1.0	30/06/2017
Payroll Schema	PAYE	Schema	1.0	30/06/2017
RPI Schema	PAYE	Schema	1.0	30/06/2017
Common PAYE Types Schema	PAYE	Schema	1.0	30/06/2017

Supporting Documentation

Web Service Description	Tax / Duty	Type	Version	Release
Payroll Submission Request: Data Items	PAYE	PDF	1.0	30/06/2017
RPI Response: Data Items	PAYE	PDF	1.0	30/06/2017

PAYE Web Service Examples

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PAYE Web Services Example Files Provided for Developers

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ROS Public Interface Test (PIT)

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PAYE Web Service Specifications

Web Service Description	Tax / Duty	Type	Version	Release
Payroll: Web Service Definition	PAYE	WSDL file	1.0	30/06/2017
RPI: Web Service Definition	PAYE	WSDL file	1.0	30/06/2017
Payroll Schema	PAYE	Schema	1.0	30/06/2017
RPI Schema	PAYE	Schema	1.0	30/06/2017
Common PAYE Types Schema	PAYE	Schema	1.0	30/06/2017

Supporting Documentation

Web Service Description	Tax / Duty	Type	Version	Release
Payroll Submission Request: Data Items	PAYE	PDF	1.0	30/06/2017
RPI Response: Data Items	PAYE	PDF	1.0	30/06/2017

PAYE Web Service Examples

Web Service Description	Tax / Duty	Type	Version	Release
Web Service Examples	PAYE	Zip file	1.0	30/06/2017

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Action Log updates

8. AOB

- Next Workshop:
  - ?