

## **Technical interface – Zip file for application developers**

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### **Project to establish the National Incomes Register**

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# 1 VERSION HISTORY

Version	Date	Description
1.0	12/06/2017	Technical interface published.
1.01	31/08/2017	<ol style="list-style-type: none"> <li>Corrected the structure of the SubscriptionService.wsdl file: The order of the "stir:SubscriptionsRequestToIRAsync" and "stir:SubscriptionsRequestToIR" elements was switched.</li> <li>Corrected the structure of the StatusMessageTypes.xsd file: removed the unnecessary elements "ReportValidationErrors" and "ReportError" and changed the elements "StatusResponseFromIR/DeliveryData" and "StatusRequestToIR/DeliveryId" to voluntary.</li> <li>Removed the checksum of the ZIP file as unnecessary.</li> </ol>
1.02	14.11.2017	<p>Added the XML Signature schema: xmldsig-core-schema.xsd used to add an electronic signature to messages.</p> <p><b>All schemas</b> – Added the ds:Signature element and the necessary references to the XML Signature schema.</p> <p><b>All schemas</b> – References to the xs:boolean data type replaced with a reference to a new irt:trueOrFalse type in all schemas. (The allowed values are limited to the character strings "true" and "false".)</p> <p><b>IRCommonTypes</b> – Added a restriction to the irt:decimal2 data type (number size limited to 13 numbers and 2 decimals).</p> <p><b>IRCommonTypes</b> – Added the irt:trueOrFalse data type (the allowed values are limited to the character strings "true" and "false").</p> <p><b>IRCommonTypes</b> – Added the irt:String5 data type (minLength: 1, maxLength: 5).</p> <p><b>IRCommonTypes</b> – Added the irt:String15 data type (minLength: 1, maxLength: 15).</p> <p><b>IRCommonTypes</b> – Added the irt:String50 data type (minLength: 1, maxLength: 50).</p> <p><b>InvalidationsToIRTypes</b> – The "Type" element was moved to before the "Code" element within "Id" of ComplexType.</p> <p><b>MainSubscriptionTypes</b> – Renamed the "DataRequest" element. New name = "DataRequestToIR".</p> <p><b>MainSubscriptionTypes</b> – Renamed the "DataSubscription" element. New name = "SubscriptionsToIR".</p> <p><b>MessagesFromIRTypes</b> – Changed the type of the "TargetItemType" elements. New type = "xs:int".</p> <p><b>MessagesFromIRTypes</b> – Removed the unused "Status" data type.</p> <p><b>MessagesToIRTypes</b> – Changed the type of the "TargetItemType" elements. New type = "xs:int".</p> <p><b>MessagesToIRTypes</b> – Removed the unused "Status" data type.</p> <p><b>PayerSummaryReportsFromIRTypes</b> – Replaced the "AcInsProvIdCode" element with a new element, "AcInsProvId", of the type "psrfirt:Id".</p> <p><b>PayerSummaryReportsFromIRTypes</b> – Added the "DeliveryToIRChannelCode" element below the "DeliveryData" element.</p> <p><b>PayerSummaryReportsFromIRTypes</b> – Added the "PayerOther" element within the "Payer" element.</p> <p><b>PayerSummaryReportsFromIRTypes</b> – Changed the structure of the "PayerOther" element.</p> <p><b>PayerSummaryReportsFromIRTypes</b> – Added the "DeliveryToIRChannelCode" element below the "DeliveryData" element.</p> <p><b>PayerSummaryReportsFromIRTypes</b> – Added the "ReceivedTimestamp" element below the "DeliveryData" element.</p> <p><b>PayerSummaryReportsToIRTypes</b> – Replaced the "AcInsProvIdCode" element with a new element, "AcInsProvId", of the type "psrtirt:Id".</p> <p><b>StatusMessageTypes</b> – Moved the "Type" element to before the "Code" element under "Id" of ComplexType.</p> <p><b>SubscriptionsToIR</b> – Changed the type of the "SubscriptionsRequestToIR" element. New type = "mst:SubscriptionsToIR".</p> <p><b>SubscriptionsToIR</b> – Changed the type of the "SubscriptionsRequestToIRAsync" element. New type = "mst:SubscriptionsToIR".</p> <p><b>WageReportsFromIRTypes</b> – Changed the type of the "BenefitCode" element from xs:list to xs:restriction.</p> <p><b>WageReportsFromIRTypes</b> – Changed the type of the "FormCode" element from xs:list to xs:restriction.</p> <p><b>WageReportsFromIRTypes</b> – Changed the type of the "PaymentType" element from xs:list to xs:restriction.</p> <p><b>WageReportsFromIRTypes</b> – Changed the type of the "RemunerationCode" element from xs:list to xs:restriction.</p> <p><b>WageReportsFromIRTypes</b> – The structure of the "Absence" element was changed. The "NoAbsence" element was replaced with the new "AbsenceRepStartDate" and "AbsenceRepEndDate" elements.</p> <p><b>WageReportsFromIRTypes</b> – The "AcInsProvIdCode" element was replaced with the new "AcInsProvId" element.</p> <p><b>WageReportsFromIRTypes</b> – Added the "DeliveryToIRChannelCode" element below the "DeliveryData" element.</p> <p><b>WageReportsFromIRTypes</b> – Changed the type of the "Code" element inside the "EmploymentEnding" element. New type = "irt:String20".</p> <p><b>WageReportsFromIRTypes</b> – Corrected a typo in the name of the "Birthdate" element. New name = "BirthDate".</p> <p><b>WageReportsFromIRTypes</b> – Added the "SensitiveInfoIncluded" element below the "IncomeEarnerOther" element.</p> <p><b>WageReportsFromIRTypes</b> – Added the "Payments" element below the "IncomeEarnerOther" element.</p> <p><b>WageReportsFromIRTypes</b> – Added the "TaxTreatyCountryCode" element below the "InternationalData" element.</p>

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		<p><b>WageReportsFromIRTypes</b> – Added the "ReimbApp" element below the "PaidAbsencePeriod" element.</p> <p><b>WageReportsFromIRTypes</b> – Removed the "ReimbApp" element from below the "PaidAbsence" element and changed PaidAbsencePeriods to mandatory.</p> <p><b>WageReportsFromIRTypes</b> – Added the "SensitiveInfoIncluded" element below the "PayerOther" element.</p> <p><b>WageReportsFromIRTypes</b> – Added the wrfirt:Payments data type.</p> <p><b>WageReportsFromIRTypes</b> – Added the wrfirt:Payment data type.</p> <p><b>WageReportsFromIRTypes</b> – Changed the type of the "PaymentRef" element. New type = "irct:String50".</p> <p><b>WageReportsFromIRTypes</b> – Added the "ForeignLeasedWork" element below the "Report" element.</p> <p><b>WageReportsFromIRTypes</b> – Added the "ReceivedTimestamp" element below the "DeliveryData" element.</p> <p><b>WageReportsFromIRTypes</b> – Added the "SensitiveInfoIncluded" element below the "Representative" element.</p> <p><b>WageReportsFromIRTypes</b> – Added the "RepresentativeReports" element below the "Representative" element.</p> <p><b>WageReportsFromIRTypes</b> – Added the "SensitiveInfoIncluded" element below the "ServiceRecipient" element.</p> <p><b>WageReportsFromIRTypes</b> – Added the wrfirt:StayPeriod data type.</p> <p><b>WageReportsFromIRTypes</b> – Changed the type of the "Period" element below the "StayPeriodsAbroad" element. New type = wrfirt:StayPeriod.</p> <p><b>WageReportsFromIRTypes</b> – Removed the "EmployeeMax183d" element from below the "Transaction" element.</p> <p><b>WageReportsFromIRTypes</b> – Removed the "ForeignLeasedWork" element from below the "Transaction" element.</p> <p><b>WageReportsToIRTypes</b> – Changed the type of the "AllowanceCode" element from xs:list to xs:restriction.</p> <p><b>WageReportsToIRTypes</b> – Changed the type of the "BenefitCode" element from xs:list to xs:restriction.</p> <p><b>WageReportsToIRTypes</b> – Changed the type of the "ExceptionCode" element from xs:list to xs:restriction.</p> <p><b>WageReportsToIRTypes</b> – Changed the type of the "FormCode" element from xs:list to xs:restriction.</p> <p><b>WageReportsToIRTypes</b> – Changed the type of the "PaymentType" element from xs:list to xs:restriction.</p> <p><b>WageReportsToIRTypes</b> – Changed the type of the "RemunerationCode" element from xs:list to xs:restriction.</p> <p><b>WageReportsToIRTypes</b> – The structure of the "Absence" element was changed. The "NoAbsence" element was replaced with the new "AbsenceRepStartDate" and "AbsenceRepEndDate" elements.</p> <p><b>WageReportsToIRTypes</b> – The "AcclnsProvdCode" element was replaced with the new "AcclnsProvd" element.</p> <p><b>WageReportsToIRTypes</b> – The type of the "Code" element inside the "EmploymentEnding" element was changed. New type = "irct:String20".</p> <p><b>WageReportsToIRTypes</b> – Corrected a typo in the name of the "Birthdate" element. New name = "BirthDate"</p> <p><b>WageReportsToIRTypes</b> – Added the "Payments" element below the "IncomeEarnerOther" element.</p> <p><b>WageReportsToIRTypes</b> – Added the "TaxTreatyCountryCode" element below the "InternationalData" element.</p> <p><b>WageReportsToIRTypes</b> – Removed the "ReimbApp" element from below the "PaidAbsence" element.</p> <p><b>WageReportsToIRTypes</b> – Added the "ReimbApp" element below the "PaidAbsencePeriod" element.</p> <p><b>WageReportsToIRTypes</b> – Added the wrtirt:Payment data type.</p> <p><b>WageReportsToIRTypes</b> – Added the wrtirt:Payments data type.</p> <p><b>WageReportsToIRTypes</b> – Changed the type of the "PaymentRef" element. New type = "irct:String50".</p> <p><b>WageReportsToIRTypes</b> – Added the "ForeignLeasedWork" element below the "Report" element.</p> <p><b>WageReportsToIRTypes</b> – Added the "RepresentativeReports" element below the "Representative" element.</p> <p><b>WageReportsToIRTypes</b> – Added the wrtirt:StayPeriod data type.</p> <p><b>WageReportsToIRTypes</b> – Changed the type of the "Period" element below the "StayPeriodsAbroad" element. New type = wrfirt:StayPeriod.</p> <p><b>WageReportsToIRTypes</b> – Removed the "EmployeeMax183d" element from below the "Transaction" element.</p> <p><b>WageReportsToIRTypes</b> – Removed the "ForeignLeasedWork" element from below the "Transaction" element.</p> <p><b>WageReportsToIRTypes</b> – Changed the "WorkMunicipalities" element to voluntary.</p> <p><b>WageReportsToIRTypes</b> – Changed the "WorkCountryAddress" element to voluntary.</p>
v1.03	24/11/2017	<p>The numbering in the name of the ZIP package was changed to match the numbering used in this document.</p> <p>Corrected the incorrect references to the signature schema occurring in the structure examples.</p> <p><b>StatusMessageTypes</b> – References to the xs:boolean data type replaced with a reference to a new irct:trueOrFalse type.</p> <p><b>WageReportsToIRTypes</b> – References to the xs:boolean data type replaced with a reference to a new irct:trueOrFalse type.</p>
v1.04	25/01/2018	<p><b>WageReportsFromIRTypes</b> - Added a new data item, CreatedTimestamp, to the "Service data" (ReportData) data group.</p> <p><b>MainSubscriptionTypes</b> - Added the Time range element (TimespanTimeParameter) to the "Query parameters" (DataRequestParameters) data group. The Time range element's Start and End date include the time.</p> <p><b>MainSubscriptionTypes</b> - In the Time range (TimespanParameter) element, changed the start and end date data types from xs:dateTime =&gt; xs:date.</p>

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		<p><b>MainSubscriptionTypes</b> - Changed the Signature element in the SubscriptionsToIR element from mandatory to voluntary.</p> <p><b>PayerSummaryReportsFromIRTypes</b> - Added a new data item, CreatedTimestamp, to the "Service data" (ReportData) data group.</p> <p><b>InvalidationsToIRTypes</b> - Changed the Signature element in the InvalidationsToIR element from mandatory to voluntary.</p> <p><b>WageReportsToIRTypes</b> - Changed the Signature element in the WageReportsToIR element from mandatory to voluntary.</p> <p><b>PayerSummaryReportsToIRTypes</b> - Changed the Signature element in the PayerSummaryReportsToIR element from mandatory to voluntary.</p> <p><b>MessagesToIRTypes</b> - Changed the Signature element in the MessagesToIR element from mandatory to voluntary.</p> <p>Updated the Message structure examples with respect to the changed schemas.</p>
v1.05	23/03/2018	<p><b>WageReportsToIRTypes</b> – Changed the Signature element in the WageReportsToIR element from mandatory to voluntary.</p> <p><b>MessagesToIRTypes</b> – Moved the "Type" element to before the "Code" element under "Id" of ComplexType.</p> <p><b>IRCommonTypes</b> – Added a character set limitation to the "Guid" element.</p> <p><b>MessagesToIR_MessagesRequestToIR_structuresample</b> updated to match the new schema, and the root element was changed.</p>
v1.06	05/04/2018	<p><b>WageReportSummaryFromIR.xsd</b> – Added the new schema.</p> <p><b>WageReportSummaryFromIRTypes.xsd</b> – Added the new schema.</p> <p><b>WageReportSummaryFromIR_structuresample.xml</b> – Added a message structure example.</p>
v1.07	07/06/2018	<p><b>BenefitReportsToIR</b> – Added the new schema.</p> <p><b>BenefitReportsToIRTypes.xsd</b> – Added the new schema.</p> <p><b>BenefitReportsToIR_BenefitReportsRequestToIR_structuresample.xml</b> – Added a message structure example.</p>
v1.08	24/09/2018	<p><b>BenefitReportsFromIR.xsd</b> – Added the new schema.</p> <p><b>BenefitReportsFromIRTypes.xsd</b> – Added the new schema.</p> <p><b>BenefitReportsFromIR_structuresample.xml</b> – Added a message structure example.</p> <p><b>BenefitReportsToIRTypes</b> – Changed the Substitute recipient details (IncomeBeneficiary) to voluntary.</p> <p><b>BenefitReportsToIRTypes</b> – Changed the Type of substitute recipient (IncomeBeneficiaryType) to mandatory.</p> <p><del><b>MainSubscriptionTypes</b> – Added the Submitter type (PartyType) data item.</del></p> <p><b>WageReportSummaryFromIRTypes</b> – Corrected the maximum allowed number of the element AcclnsPolicyNumberSummary.</p> <p><b>WageReportSummaryFromIRTypes</b> – Corrected the maximum allowed number of the element IncomeEarningsSummary.</p> <p><b>WageReportSummaryFromIRTypes</b> – Corrected the maximum allowed number of the element PensionPolicyNumbersSummary.</p> <p><b>SubscriptionsToIR_SubscriptionRequestToIR_structuresample.xml</b> – Updated a message structure example.</p>
v1.09	04/10/2018	<p><b>MainSubscriptionTypes</b> – Added the Submitter type (PartyType) data item that was missing from version v1.08.</p> <p><b>WageReportSummaryFromIR_structuresample.xml</b> – Updated a message structure example.</p>
v1.10	21/01/2019	<p><b>BenefitReportsToIRTypes.xsd</b> – Added the element UnpromptedRefund.</p> <p><b>BenefitReportsToIRTypes.xsd</b> – Added the element PaymentReallocation.</p> <p><b>BenefitReportsToIRTypes.xsd</b> – Added the element NoTaxEffect.</p> <p><b>BenefitReportsFromIRTypes.xsd</b> – Added the element UnpromptedRefund.</p> <p><b>BenefitReportsFromIRTypes.xsd</b> – Added the element PaymentReallocation.</p> <p><b>BenefitReportsFromIRTypes.xsd</b> – Added the element NoTaxEffect.</p> <p><b>BenefitReportsToIR_structuresample.xml</b> – Updated a message structure example.</p> <p><b>BenefitReportsFromIR_structuresample.xml</b> – Updated a message structure example.</p>

## 2 CONTENTS OF THE ZIP FILE

The Zip file contains the XSD descriptions of the schemas, examples of the schema structures, and the WSDL descriptions of the services.

### 2.1 WSDL descriptions

- BenefitReportService.wsdl
- EchoService.wsdl
- InvalidationService.wsdl
- MessageService.wsdl
- PayerSummaryReportQueryService.wsdl
- PayerSummaryReportService.wsdl
- StatusService.wsdl
- SubscriptionService.wsdl
- WageReportQueryService.wsdl
- WageReportService.wsdl

### 2.2 XSD schema files

- AckFromIR.xsd
- BenefitReportsFromIR.xsd
- BenefitReportsFromIRTypes.xsd
- BenefitReportsToIR.xsd
- BenefitReportsToIRTypes.xsd
- DataRequestToIR.xsd
- Echo.xsd
- InvalidationsToIR.xsd
- InvalidationsToIRTypes.xsd
- IRCommonTypes.xsd
- LogDataFromIR.xsd
- LogDataTypes.xsd
- MainSubscriptionTypes.xsd
- MessagesFromIR.xsd
- MessagesFromIRTypes.xsd
- MessagesToIR.xsd
- MessagesToIRTypes.xsd
- PayerSummaryReportsFromIR.xsd
- PayerSummaryReportsToIR.xsd
- PayerSummaryReportsToIRTypes.xsd
- PayerSummaryReportTypesFromIR.xsd
- StatusMessageTypes.xsd
- StatusRequestToIR.xsd
- StatusResponseFromIR.xsd
- SubscriptionsToIR.xsd
- WageReportsFromIR.xsd
- WageReportsFromIRTypes.xsd
- WageReportsToIR.xsd
- WageReportsToIRTypes.xsd
- WageReportSummaryFromIR.xsd
- WageReportSummaryFromIRTypes.xsd
- xmlsig-core-schema.xsd

### 2.3 Message structure examples

The examples illustrate schema structures. The data content of the elements does not match the actual data content.

- AckFromIR\_structuresample.xml
- BenefitReportsFromIR\_structuresample.xml
- BenefitReportsToIR\_BenefitReportsRequestToIR\_structuresample.xml
- DataRequestToIR\_WageReportsOnePayerRequestToIR\_structuresample.xml
- Echo\_structuresample.xml
- InvalidationsToIR\_InvalidationsRequestToIR\_structuresample.xml
- LogDataFromIR\_structuresample.xml
- MessagesFromIR\_structuresample.xml

MessagesToIR\_MessageRequestToIR\_structuresample.xml  
PayerSummaryReportsFromIR\_structuresample.xml  
PayerSummaryReportsRequestToIR\_structuresample.xml  
StatusRequestToIR\_structuresample.xml  
StatusResponseFromIR\_structuresample.xml  
SubscriptionsToIR\_SubscriptionRequestToIR\_structuresample.xml  
WageReportsFromIR\_structuresample.xml  
WageReportsToIR\_WageReportRequestToIR\_structuresample.xml  
WageReportSummaryFromIR\_structuresample.xml