

### 3.2.2 Dynamic data managed by the domain

#### **Inbound Individual Message:**

This entity is used to store the relevant information about a single inbound message after a positive technical message validation by the *U2A Request Parsing* function or by *Message Parsing* function. Also, the target Processing Module attribute as a result of the *Information Router* function is stored.

ATTRIBUTE	DESCRIPTION
...	...
Processing Module	This attribute stores the module (component) to which the message is forwarded. Possible values are (exhaustive list): <ul style="list-style-type: none"><li>  Inbound Processing Module (INTF)</li><li>  Outbound Information Management (LQMG)</li><li>  Liquidity Operations (LQMG)</li><li>  Query Management (SRQA)</li><li>  Instruction Validation (LCMM)</li><li>  Operational Monitoring (OPSR)</li><li>  Scheduling (OPSR)</li><li>  <del>Billing (OPSR)</del></li><li>  Party Data Management (SDMG)</li><li>  Security Data Management (SDMG)</li><li>  Securities Account Data Management (SDMG)</li><li>  T2S Dedicated Cash Account Data Management (SDMG)</li><li>  Rules and Parameters Data Management (SDMG)</li></ul>
...	...

#### **Outbound Individual Message:**

The entity is created by *Create Business Payload* function to store the request type, processing module and payload of the outbound communication.

ATTRIBUTE	DESCRIPTION
Request Type	This attribute stores the request type for the message according to ISO 20022 standard.
Processing Module	<p>This attribute stores the module (component) from which the message has been received.</p> <p>Possible values are (exhaustive list) :</p> <ul style="list-style-type: none"> <li>  Inbound Processing Module (INTF)</li> <li>  Outbound Information Management (LQMG)</li> <li>  Liquidity Operations (LQMG)</li> <li>  Query Management (SQRA)</li> <li>  Report Management (SQRA)</li> <li>  Status Management (LCMM)</li> <li>  Instructions Matching (LCMM)</li> <li>  Instruction Maintenance (LCMM)</li> <li>  Operational Monitoring (OPSR)</li> <li>  Scheduling (OPSR)</li> <li>  <del>Billing (OPSR)</del></li> <li>  Party Data Management (SDMG)</li> <li>  Security Data Management (SDMG)</li> <li>  Securities Account Data Management (SDMG)</li> <li>  T2S Dedicated Cash Account Data Management (SDMG)</li> <li>  Rules and Parameters Data Management (SDMG)</li> </ul>
Common Communication Content	This attribute includes the container storing the message payload generated out of the information given by processing module.

### 3.2.4.3 Description of the functions of the module

#### **8 – Information Router**

<i>Reference Id</i>	<b><i>INTF.INP.INR.1.1</i></b>
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The *Information Router* function receives the *Inbound business data* flows.

It is responsible for identifying the respective processing module and for the routing of the business data related to the messages listed in the following table:

MODULE	MESSAGE	FLOW (INTERNAL FORMAT)	REMARKS	URD REFERENCES
...				
OPSR: Billing		Invoice processing request		
		Invoice approval request	Only U2A	
...				

### 3.2.4.4 Description of the input/output of the module

The *Inbound Business Data* flow described before is used as place holder for the various different business flows, which have to be delivered to the back end modules (special case is the *Resend Message* flow, which is sent to the *Outbound Processing Module*).

FLOW	IN/OUT	DESCRIPTION	FROM	TO
...				
Invoice processing request	OUT			OPSR: Billing
Invoice approval request	OUT			OPSR: Billing
...				

### 3.2.5.3 Description of the functions of the module:

#### 3 – Check A2A Message Subscription

<i>Reference Id</i>	<b>INTF.OUP-A2A.CMS.1.1</b>
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This function receives the *Outbound business data* flow.

In case of:

- | Reactions on erroneous inbound messages;
- | Reports (option for subscription is defined via Report Configuration);
- | Query results,
- | Floor/Ceiling notifications
- | Invoices and Invoice cancellations
- | Outbound liquidity transfers

the message is sent independent from the message subscription. For any other outbound communication the function checks for all the listed possible recipients, whether they opted for receiving the message

#### 4 – Create Business Payload A2A

In detail, the function creates the following messages out of flows from other modules:

MODULE	MESSAGE	FLOW (INTERNAL FORMAT)	REMARKS	URD REFERENCES
...				
OPSR: Billing	Invoice	Invoice data		<del>{T2S.15.100}</del>
		Invoice data cancellation		
		Invoice processing response		
...				

#### 3.2.5.4 Description of the Input/Output of the module

The *Outbound Business Data* flow described before is used as place holder for the various different business flows, which have to be received from the back end modules (special case is the *Resend Communication* flow, which is received from the *Inbound Processing Module*).

FLOW	IN/OUT	DESCRIPTION	FROM	TO
...				
<del>Invoice data</del>	IN		OPSR: Billing	
<del>Invoice processing response</del>	IN		OPSR: Billing	
<del>Invoice data cancellation</del>	IN		OPSR: Billing	
...				

**QUM:**

**4.1.5 QU: Queries:**

ID	CRITERIA		
	COMMUNICA-TION MODE	QUERY CATEGORY	QUERY TYPE
207	U2A	Static Data	Report Configuration Detail Query
208	U2A	Dynamic Queries	Data Changes Queries
209	U2A	Dynamic Queries	Report Query
210	U2A	Dynamic Queries	Invoice Query
211a	U2A	Dynamic Queries	Cumulative Invoice Query
211b	U2A	Dynamic Queries	Itemised Billing Data Query
211c	U2A	Penalty	Cash Discount Penalty Rate Query
211d	U2A	Penalty	Daily Price Query
211e	U2A	Penalty	Euro Foreign Exchange Reference Rate Query