

Joint Work Group Task Force 3 Data
Interoperability Modelling

PROCEDURES FOR CUSTOMER SWITCHING

VERSION: 0.9

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21 The force of the following words is modified by the requirement level of the document in which
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26 absolute prohibition of the specification.

27 • **SHOULD:** This word, or the adjective "RECOMMENDED", means that there may exist
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30 course.

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33 acceptable or even useful, but the full implications should be understood and the case
34 carefully weighed before implementing any behaviour described with this label.

35 • **MAY:** This word, or the adjective "OPTIONAL", means that an item is truly optional.

36

Revision History

Version	Date	Published by	Comments
0.1	2026-02-01	JWG/TF3	Final draft version

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346 1 Scope

347 The scope of this implementation guide is to describe how to implement the data exchanges
348 related to the Implementing regulations on interoperability requirements and non-discriminatory
349 and transparent procedures for Customer Switching, from:

350 <https://ec.europa.eu/transparency/comitology-register/screen/documents/109780/2> [6].

351

352 2 References

353 2.1 Normative references

354 The following documents, in whole or in part, are normatively referenced in this document and
355 are indispensable for its application. For dated references, only the edition cited applies. For
356 undated references, the latest edition of the referenced document (including any amendments)
357 applies.

358 [1] [IEC 62325-301:2018, Framework for energy market communications - Part 301:
359 Common information model \(CIM\) extensions for markets](#)

360 [2] [IEC 62325-351:2016, Framework for energy market communications – Part 351: CIM
361 European market model exchange profile;](#)

362 [3] [IEC 62325-450:2013, Framework for energy market communications – Part 450: Profile
363 and context modelling rules;](#)

364 [4] [IEC 62325-451-1:2017, Framework for energy market communications – Part 451-1:
365 Acknowledgement business process and contextual model for CIM European market;](#)

366 [5] [COMMISSION IMPLEMENTING REGULATION \(EU\) 2023/1162 of 6 June 2023 on
367 interoperability requirements and non-discriminatory and transparent procedures for
368 access to metering and consumption data;](#)

369 [6] [Commission Implementing Regulation on interoperability requirements and non-
370 discriminatory and transparent procedures for access to data required for customer
371 switching](#)

372

373 2.2 Other references

374 [7] [The Harmonised Electricity Market Role Model version 2025-01;](#)

375 [8] UML Profile for UN/CEFACT's Modelling Methodology (UMM), Base Module, 2.0.
376 ([UN/CEFACT Modelling Methodology \(UMM\)](#)).

377

378

379 3 Terms and definitions

380 3.1 Terms used in this document

381	HEMRM	Harmonised Electricity Market Role Model
382	IR	Implementing Regulation
383	IG	Implementation Guide

385 3.1.1 Basic principles and assumptions


386 The following principles have been used when drafting this document:


- 387 • This IG is based on the Business Requirements View from the UN/CEFACT Modelling
388 Methodology version 2 (UMM-2), see [8]. The Business Requirements View consist of
389 the three sub views: Business Domain View, Business Partner View and Business
390 Entity View.
- 391 • Each of the two procedures described in this Implementation Guide starts with a
392 Business Process UseCase and a related UseCase description. Thereafter an
393 overview activity diagram with a related sequence diagram is show, the latter showing
394 the information flows that are a part of the procedure. Finally a table shows which of
395 the dataflows that are candidates for standardised CIM documents. The following
396 principles have been used when deciding which documents that are candidates for
397 mapping to CIM:
 - 398 • Not all dataflows are detailed in the Implementing Regulation (IR) that is the
399 basis for this Implementation Guide, e.g. simple signals, such as information of
400 a failed authentication, see [6]. These are not seen as candidates for mapping
401 to CIM, hence only data flows described as “info items” in the IR have been
402 considered relevant as candidates for mapping to CIM [6]. These are not seen
403 as candidates for mapping to CIM, hence only data flows described as “info
404 items” in the IR have been considered relevant as candidates for mapping to
405 CIM.[6].
 - 406 ○ It is assumed that dataflows to and from the Final Customer normally will be
407 handled using webservices through a web-browser, hence not expedient as a
408 CIM document, except for time series that are exchanged on a regular, e.g.
409 daily or hourly basis.
- 410 • This IG uses the term Accounting Point mapped to the Metering Point from HEMRM.
- 411 • UseCase descriptions are only elaborated for UseCases describing data exchange in
412 the IR (Implementing Regulation) [6].
- 413 • Text directly taken from the IR [6] is shown in *italic*.
- 414 • Classes and attributes marked as «CIMExtensions» are new proposed elements in
415 CIM and a maintenance request to CIM will be handled.
- 416 • Classes and attributes marked as «ESMPExtensions» are new proposed elements in
417 ESMP and a maintenance request to CIM will be handled.
- 418 • It is made CIM profiles for the info items that will be exchanged between the actors in
419 the energy market, i.e. all info items except for info item A, B, J, N and O. In addition
420 info item D and H are merged in to one CIM profile; Accounting Point Characteristics
421 Market Document, see A.2
- 422 • Procedure names are based on IR text, while the text in the model is based on
423 modelling methodology (imperative mood, verb and noun).

424

425 **3.1.2 Colours usage in artefacts and text**

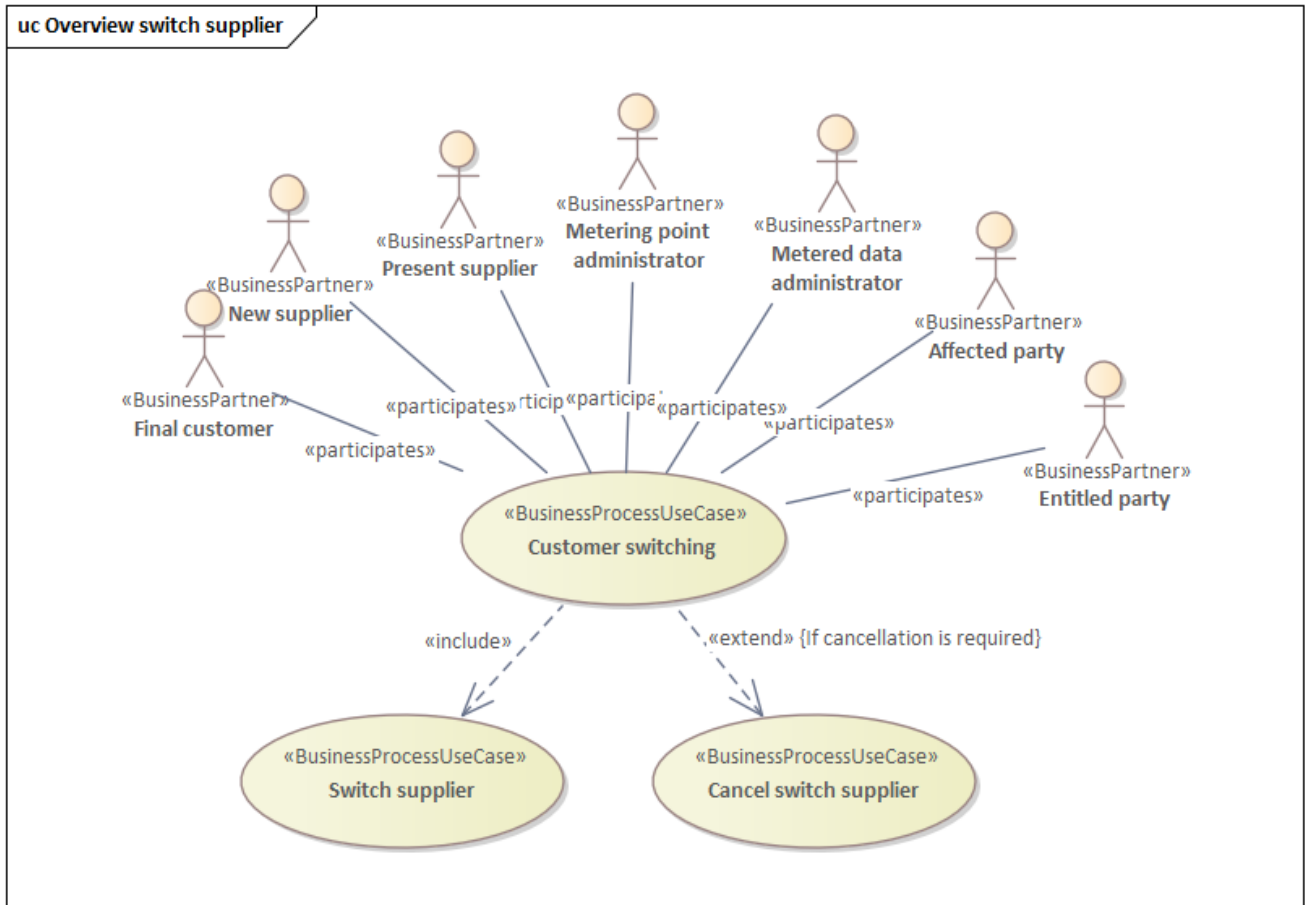
426 UseCases:

427  428 The default colour of use cases are blue, which is used for elaborated UseCases with data exchange between parties.

429  430 The yellow UseCases are used for elaborated UseCases without data exchange between parties.

431

432 **4 Business Domain View: Customer switching (Business Process UseCase)**



433

434 **Figure 1: Business Process UseCase Customer switching**

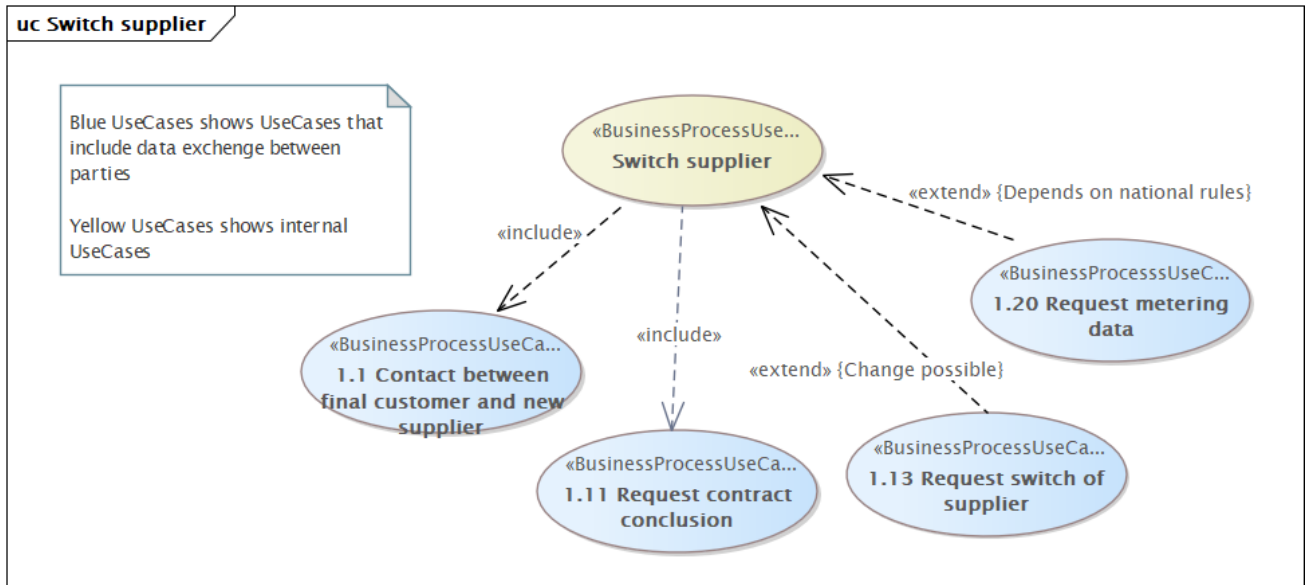
435

UseCase description: Customer switching	
definition	General UseCase for the customer switching as described in the IR [6].
beginsWhen	When a final customer and an energy supplier want to make a new contract.
preCondition	The accounting point is available for switching.
endsWhen	The switch of supplier is finalised and all entitled parties and affected parties are notified about the switch.
postCondition	The final customer has a new supplier.
exceptions	The switch is cancelled.
actions	Not applicable at this level.

436

Table 1: UseCase description: Customer switching

437 **4.1 Procedure 1: Switching supplier (Business Process UseCase)**



438

Figure 2: Business Process UseCase: Switch supplier

439

440

441 **4.1.1 Description**

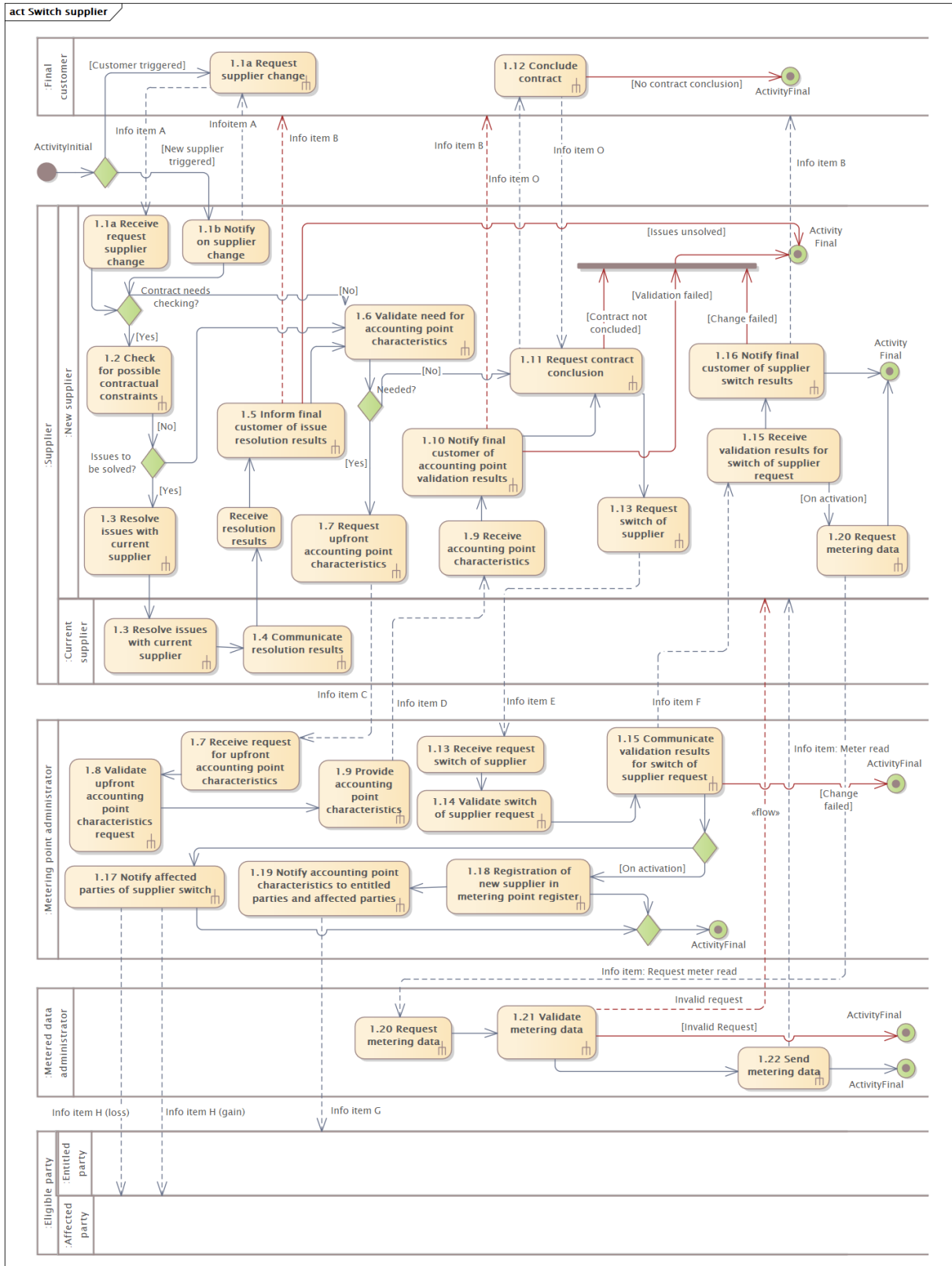
UseCase description: Switch supplier	
definition	This is an overview UseCase. The procedure ' <i>switching supplier</i> ' includes the registration of the new supplier at the accounting point according to the date specified in the supply contract. The actual registration of the new electricity supplier, initiated in the procedural step 1.13, after the conclusion of the contract, and performed as set out in procedural step 1.19, is carried out by the metering point administrator, or the delegated entity where Member States have so provided, in the metering point register. That step is followed by notifying the change to all entitled and affected parties.
beginsWhen	When the final customer contacts a potential new supplier in order to obtain an offer which may lead to a new contract for the supply of energy and the possible ending of the contract with the current supplier.
preCondition	The new supplier is registered as energy supplier by the relevant authority.
endsWhen	When the request switch of supplier is confirmed, and all eligible parties are informed about the switch of supplier, and the accounting point characteristics have been distributed to eligible parties. Based on national rules, a meter read has been determined.
postCondition	The final customer has changed the supplier for the accounting point, and all eligible parties have been informed and all linked parties (parties linked to the metering point register) received accounting point characteristics, including - based on national rules - determination and exchange of a meter read related to the supplier switch.
exceptions	The contracting phase was aborted, or the request switch of supplier is rejected, and the supplier switch process is aborted.
actions	Not applicable at this level.

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443

Table 2: UseCase description: Switch supplier

444 4.1.2 Overview of «Business Process» Switch supplier

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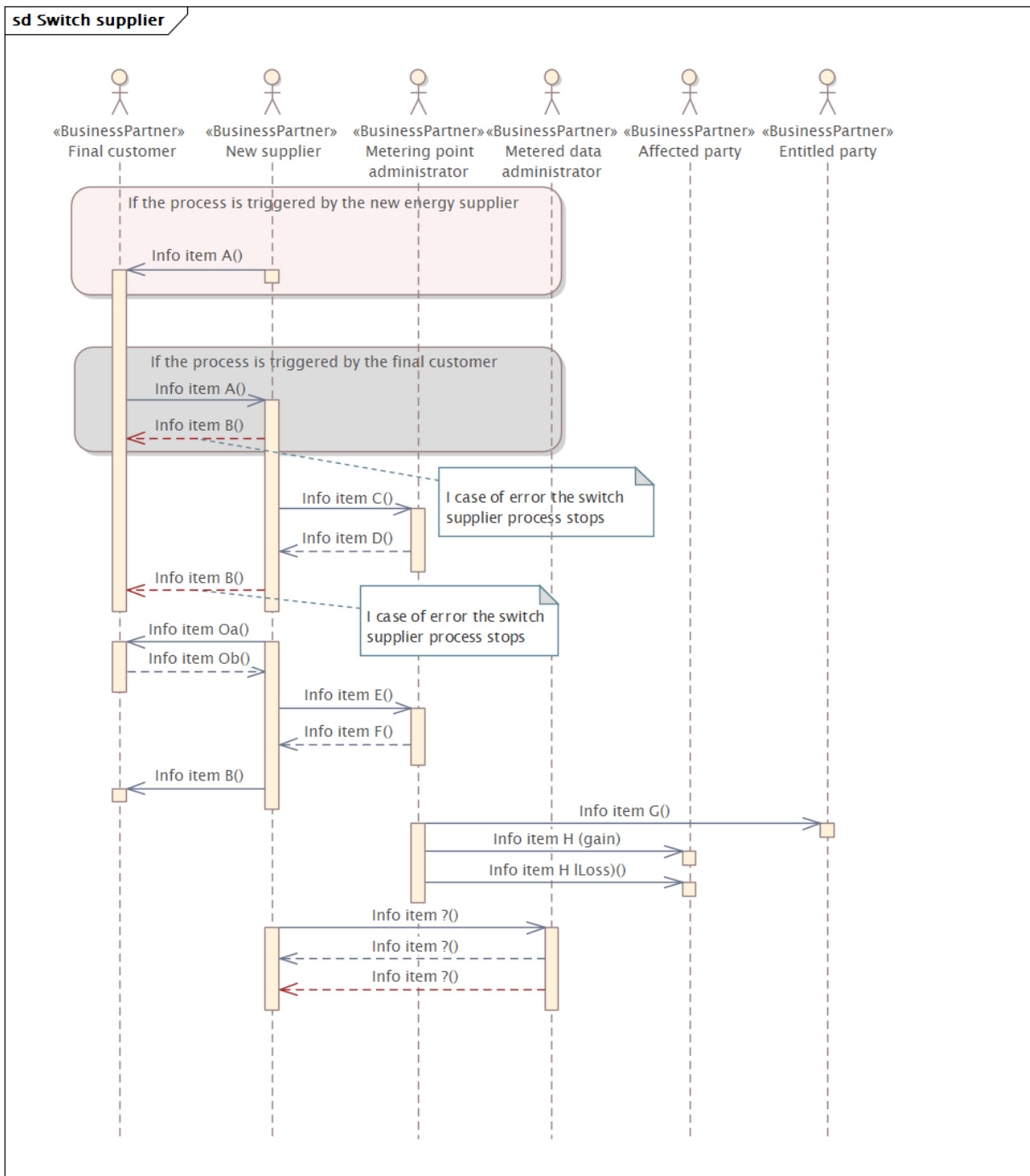


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Figure 3: Business Process: Switch supplier

448



449

Figure 4: Sequence diagram: Switch supplier

450

451

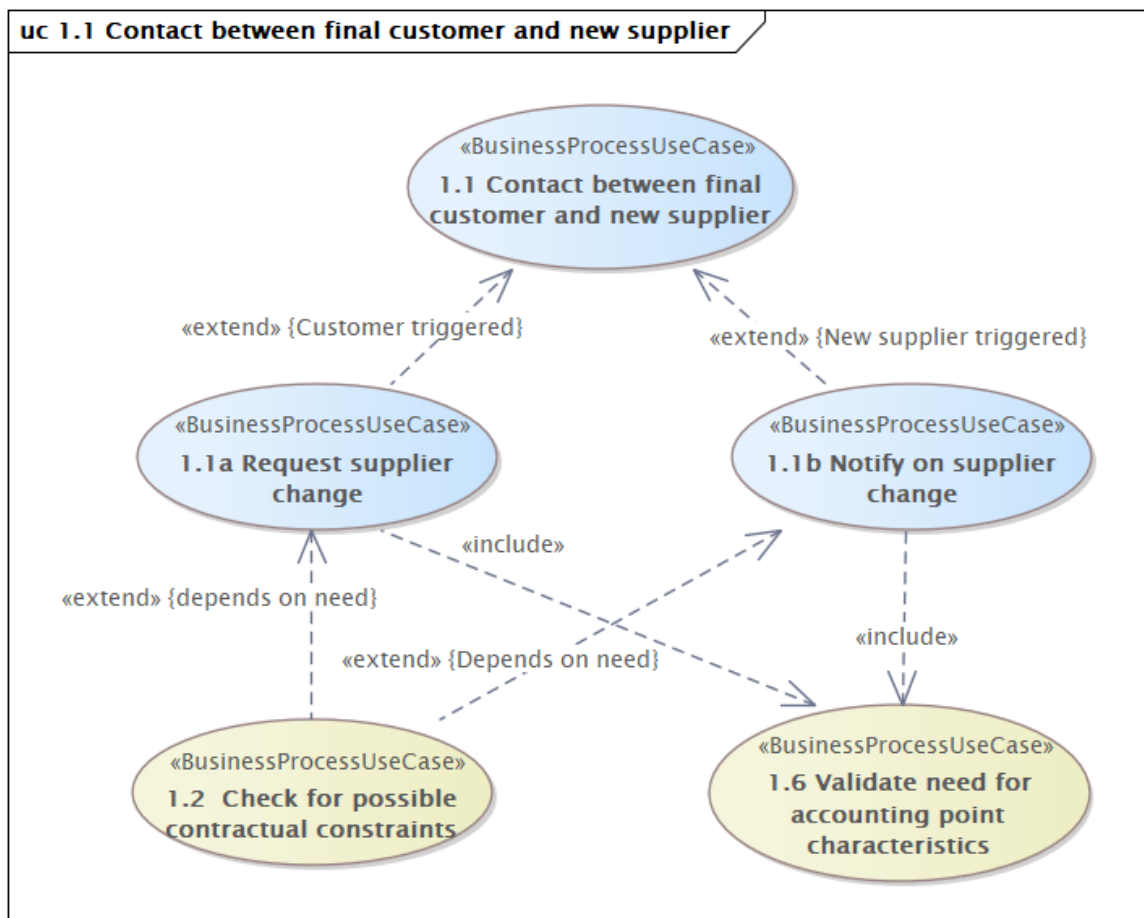
452 Figure 4 shows the exchange of Info items described in the IR, hence the information flow
453 between the new supplier and the current supplier are omitted.

Procedure 1: Candidates for mapping to CIM	Mapping to CIM
Info item A Contact new supplier	No
Info item B Inform customer on validation result	No
Info Item C Upfront accounting point characteristics request	Yes
Info item D Upfront accounting point characteristics	Yes
Info item O Confirm contract	No
Info item E Request switch of supplier	Yes
Info item F Switch of supplier results	Yes
Info item G Notify accounting point characteristics to entitled parties	Yes
Info item H (gain) Notification switch of supplier to affected party	Yes
Info item H (loss) Notification switch of supplier to affected party	Yes
Info item ? Request meter read	Yes
Info item ? Meter read	Yes
Info item ? Reject meter read request	Yes

454
455
456
457

Table 3: Procedure 1: Switch supplier: Candidates for mapping to CIM

458 **4.1.3 Contact new supplier (Business Process UseCase) [IR Activity 1.1]**



459

Figure 5: Business Process UseCase: [IR Activity 1.1] Contact new supplier

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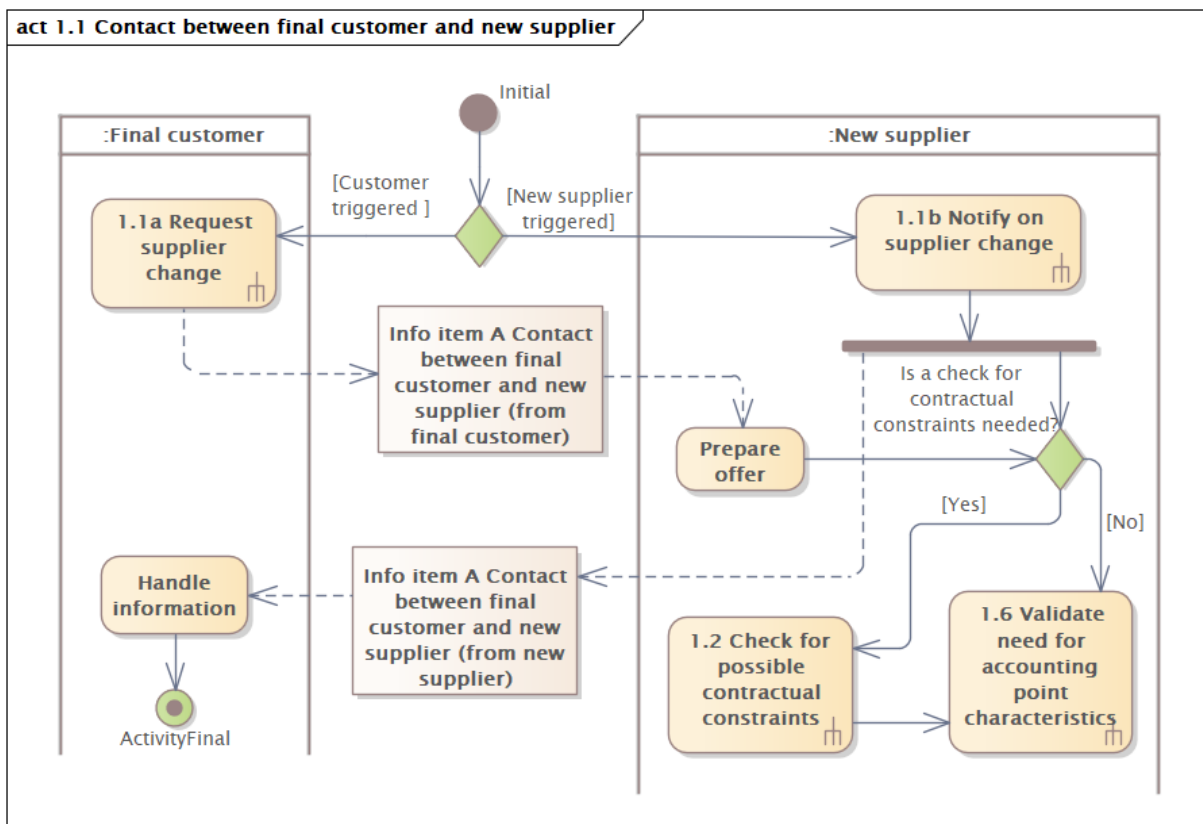
462 **4.1.3.1 Description**

UseCase description: [IR Activity 1.1] Contact new supplier	
definition	The final customer (or the potential new supplier) makes contact to request (or provide) an offer, which may lead to a new electricity supply contract and the ending of the existing contract with the current supplier.
beginsWhen	When a final customer and a new supplier intend to close a contract and initiate a make supply contract process as part of a switch supplier process. Either initiated by the final customer (1.1a) or the new supplier (1.1b).
preCondition	The new supplier can identify the final customer.
endsWhen	The new supplier and the final customer are ready to conclude a contract.
postCondition	When all requisites for making the supply-contract are fulfilled and a contract between the new supplier and the final customer can be settled.
exceptions	The final customer and the new supplier already have a contract and the process is aborted.
actions	See 4.1.3.2

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464
465

Table 4: UseCase: [IR Activity 1.1] Contact new supplier

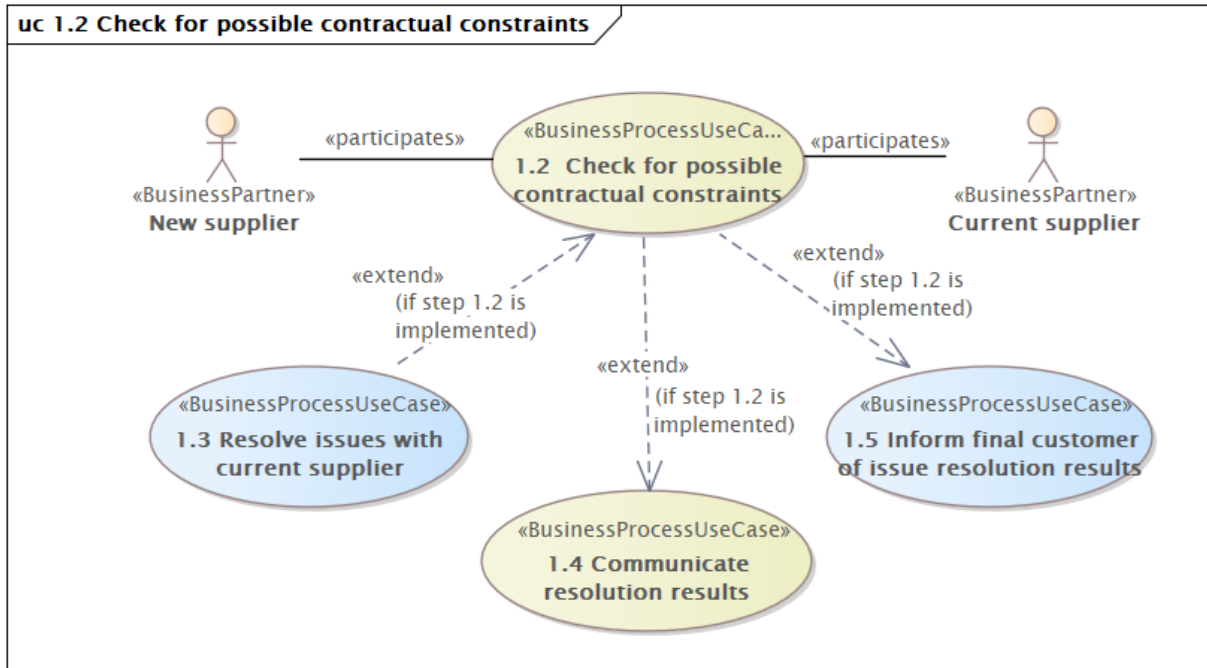
4.1.3.2 Business process



466
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Figure 6: Business Process [IR Activity 1.1] Contact new supplier

469 **4.1.3.3 Check for possible contractual constraints (Business Process UseCase) [IR**
470 **Activity 1.2]**



471

Figure 7: Business Process UseCase [IR Activity 1.2] Check for possible contractual constraints

472

473

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475 **4.1.3.3.1 Description**

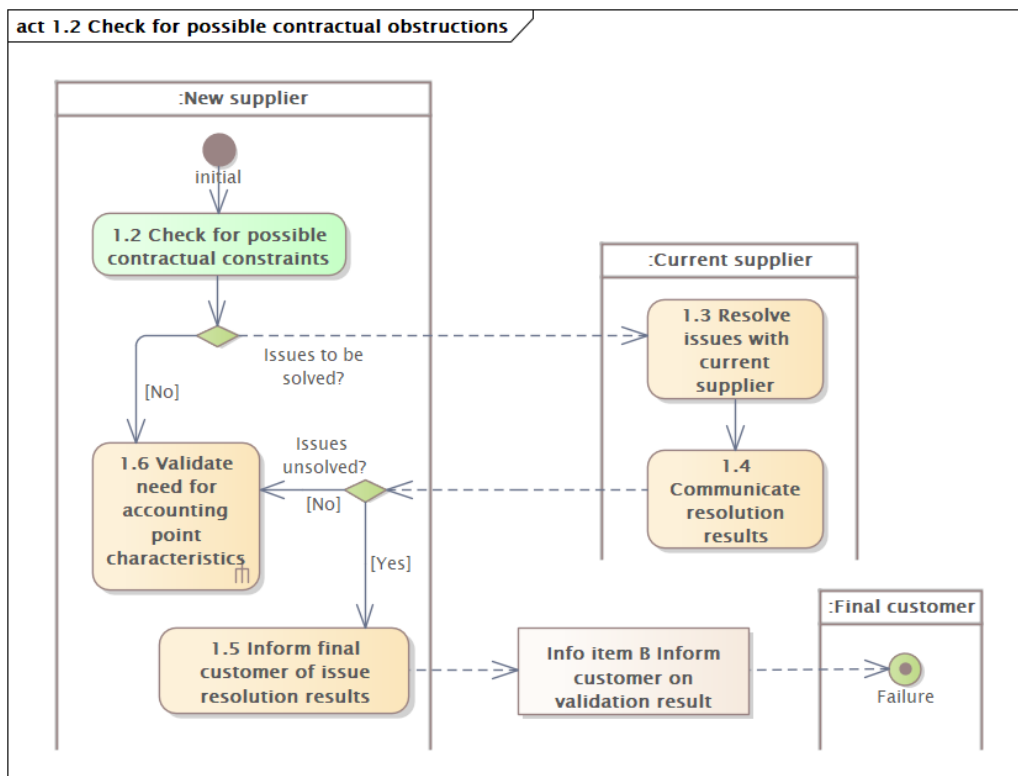
UseCase description: [IR Activity 1.2] Check for possible contractual constraints	
definition	Depending on national rules, the new supplier will check for possible contractual constraints with the current supply contract that could occur when the new supply contract is activated.
beginsWhen	When the new supplier has a need to identify and obtain critical supplier switch information.
preCondition	The accounting point id is available. The final customer has given relevant permissions to the new supplier.
endsWhen	When the critical information is obtained by the new supplier.
postCondition	The critical information is obtained.
exceptions	The process is feasible according to national rules.
actions	See 4.1.3.3.2

476

Table 5: UseCase description: [IR Activity 1.2] Check for possible contractual constraints

477

478 4.1.3.3.2 Business process



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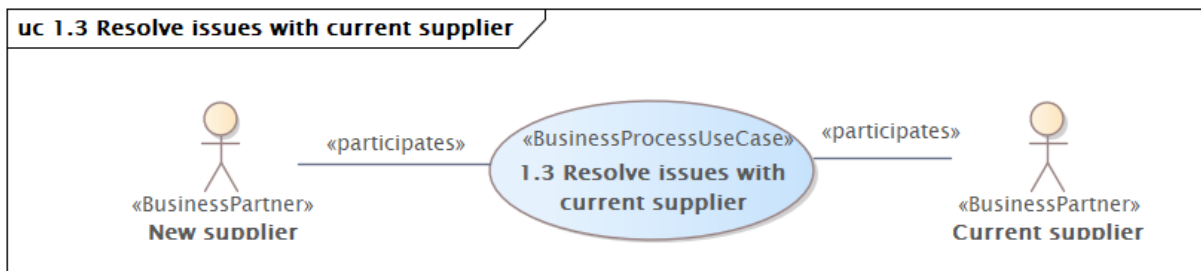
480

481

Figure 8: Business Process: 1.2 [IR Activity 1.2] Check for possible contractual constraints

482 **4.1.3.3.3 Resolve issues with current supplier (Business Process UseCase) [IR Activity**
483 **1.3]**

484



485

486 **Figure 9:** Business Process UseCase: [IR Activity 1.3] Resolve issues with current supplier
487

488 **4.1.3.3.3.1 Description**

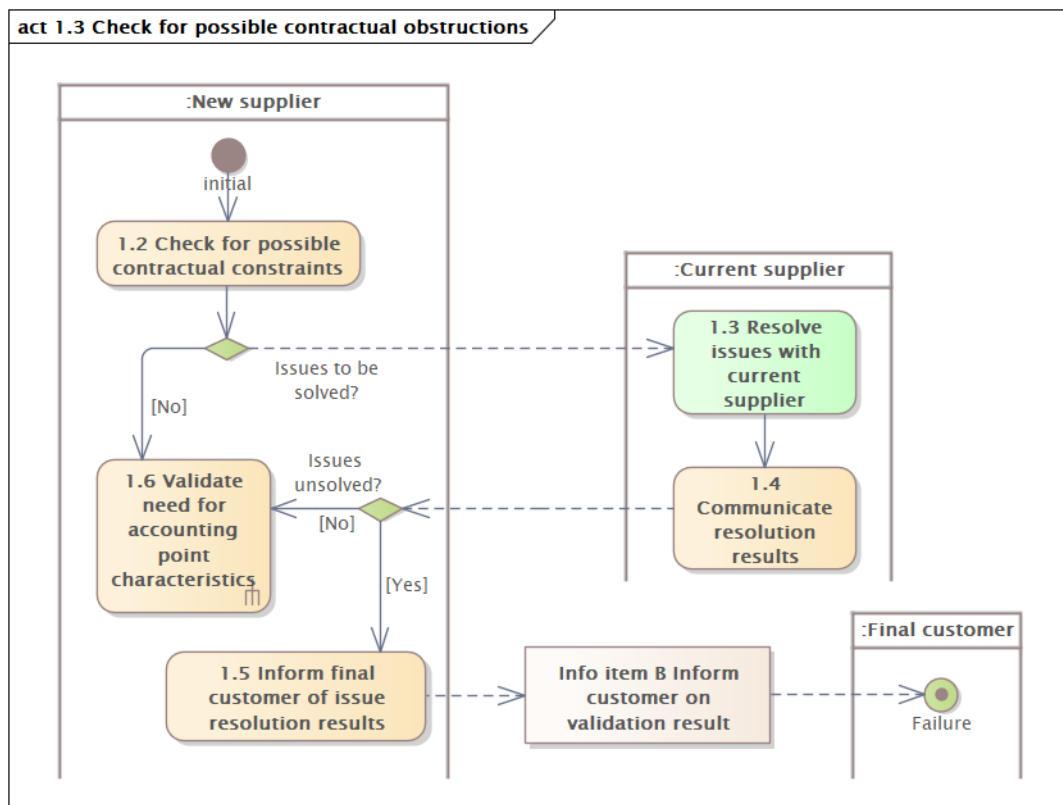
UseCase description: [IR Activity 1.3] Resolve issues with current supplier	
definition	The new supplier distributes – on authorisation of the final customer – the needed information to solve issues with the current supplier for activation of the new supply contract.
beginsWhen	When the new supplier has a need to communicate with the current supplier about the contractual constraints.
preCondition	The final customer has given the relevant permissions.
endsWhen	When the current supplier is ready to send the solved issues to the new supplier.
postCondition	The current supplier has solved the possible issues.
exceptions	The issues couldn't be resolved, e.g. the current supplier disagree in the switch.
actions	See 4.1.3.3.3.2

489

490

Table 6: UseCase description: [IR Activity 1.3] Resolve issues with **current** Supplier

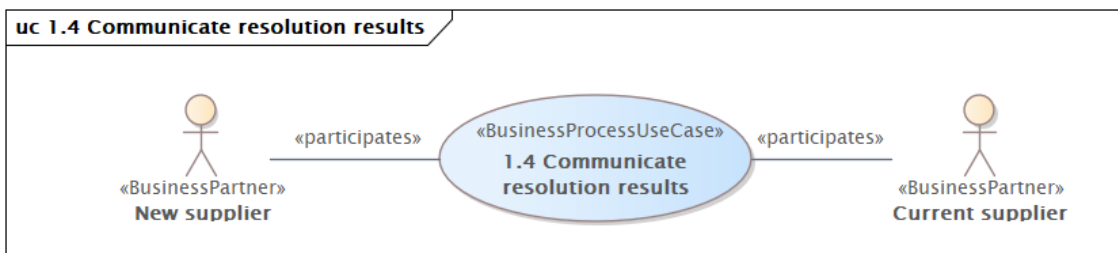
491 4.1.3.3.3.2 Business process



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Figure 10: Business Process: [IR Activity 1.3] Resolve issues with current Supplier

497 **4.1.3.3.4 Exchange issues result (Business Process UseCase) [IR Activity 1.4]**



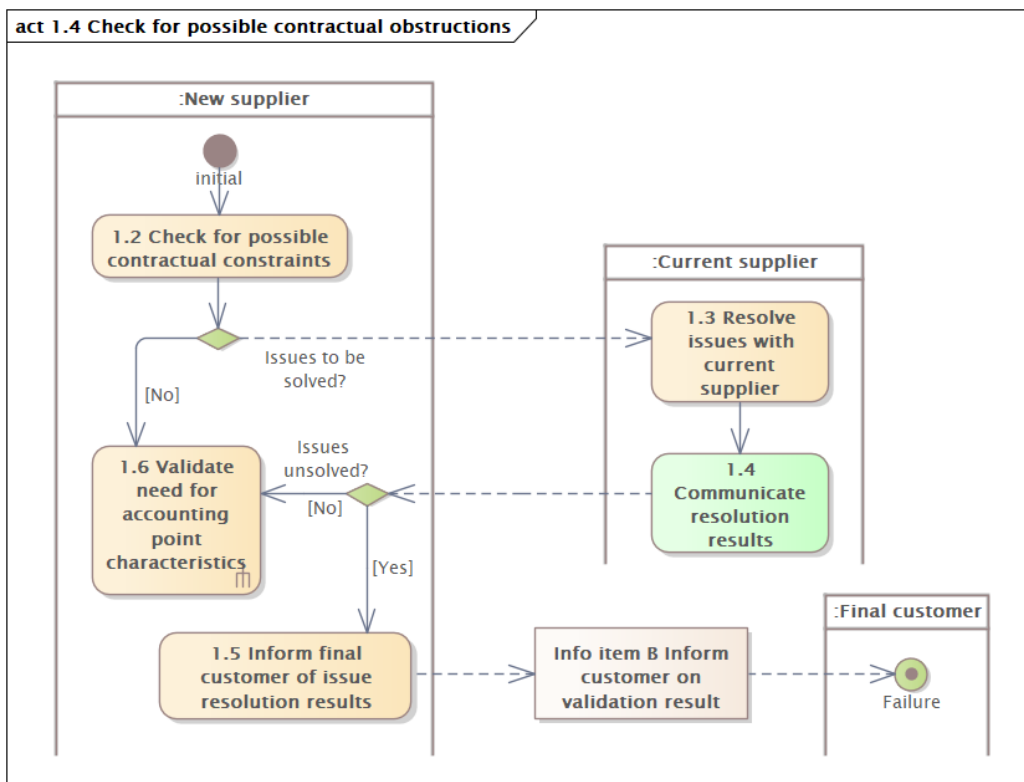
498
499 **Figure 11:** Business Process UseCase: [IR Activity 1.4] Communicate resolution results
500

501 **4.1.3.3.4.1 Description**

UseCase description: [IR Activity 1.4] Communicate resolution results	
definition	The current supplier informs the new supplier of the resolution results.
beginsWhen	When the current supplier has solved the relevant issues.
preCondition	The current supplier has solved the issues.
endsWhen	When the new supplier has received the resolution results.
postCondition	The contractual constraints are solved.
exceptions	The issues couldn't be solved, see "4.1.3.3.5 Inform final customer of issue resolution results (Business Process UseCase)"
actions	See 4.1.3.3.4.2

502 **Table 7:** UseCase description: [IR Activity 1.4] Communicate resolution results
503

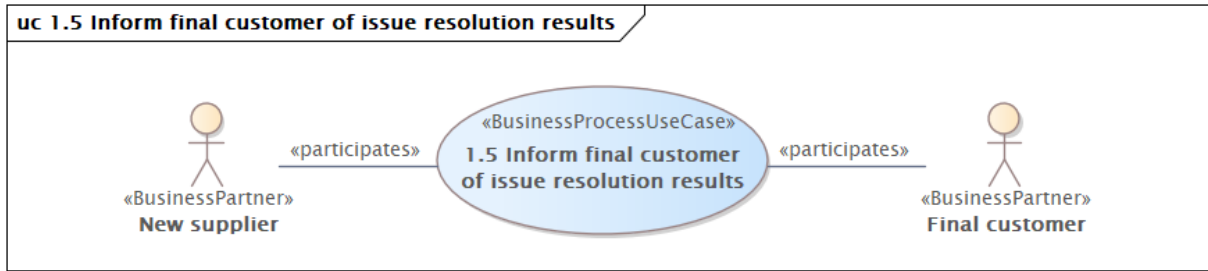
504 4.1.3.3.4.2 Business process



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507

Figure 12: Business Process: [IR Activity 1.4] Communicate resolution results

508 **4.1.3.3.5 Inform final customer of issue resolution results (Business Process UseCase)**
509 **[IR Activity 1.5]**



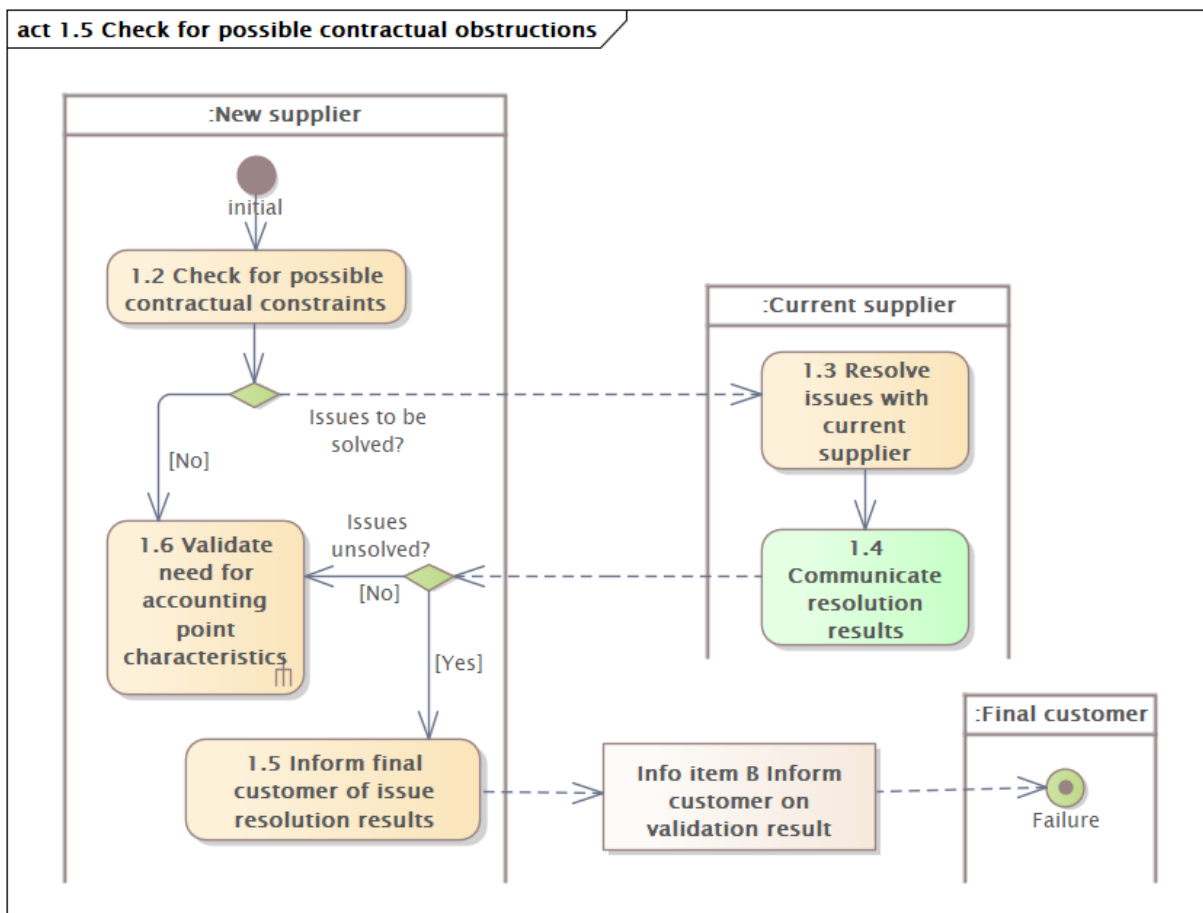
510
511 **Figure 13:** Business Process UseCase: [IR Activity 1.5] Inform final customer of issue
512 resolution results
513

514 **4.1.3.3.5.1 Description**

UseCase description: [IR Activity 1.5] Inform final customer of issue resolution results	
definition	The new supplier informs the final customer of the result.
beginsWhen	When the new supplier has received a negative result from the current supplier, i.e. the issues couldn't be solved.
preCondition	The new supplier has received a negative result from the current supplier.
endsWhen	When the new supplier has informed the final customer about the negative result.
postCondition	The switch process has stopped.
exceptions	None.
actions	See 4.1.3.3.5.2

515 **Table 8:** UseCase description: [IR Activity 1.5] Inform final customer of issue resolution
516 results
517

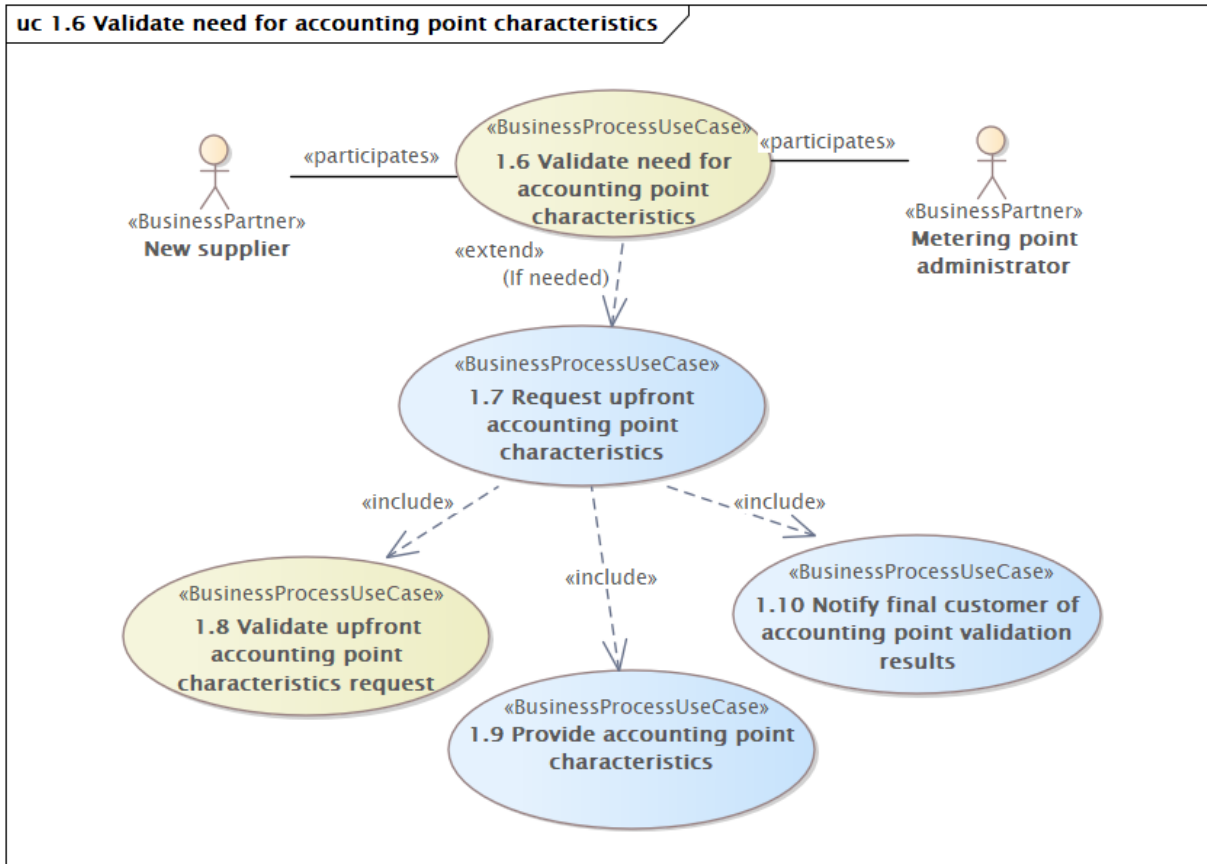
518 4.1.3.3.5.2 Business process



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Figure 14: Business Process: [IR Activity 1.5] Inform final customer of issue resolution results

524 **4.1.3.4 Validate need for accounting point characteristics (Business Process UseCase)**
525 **[IR Activity 1.6]**



526

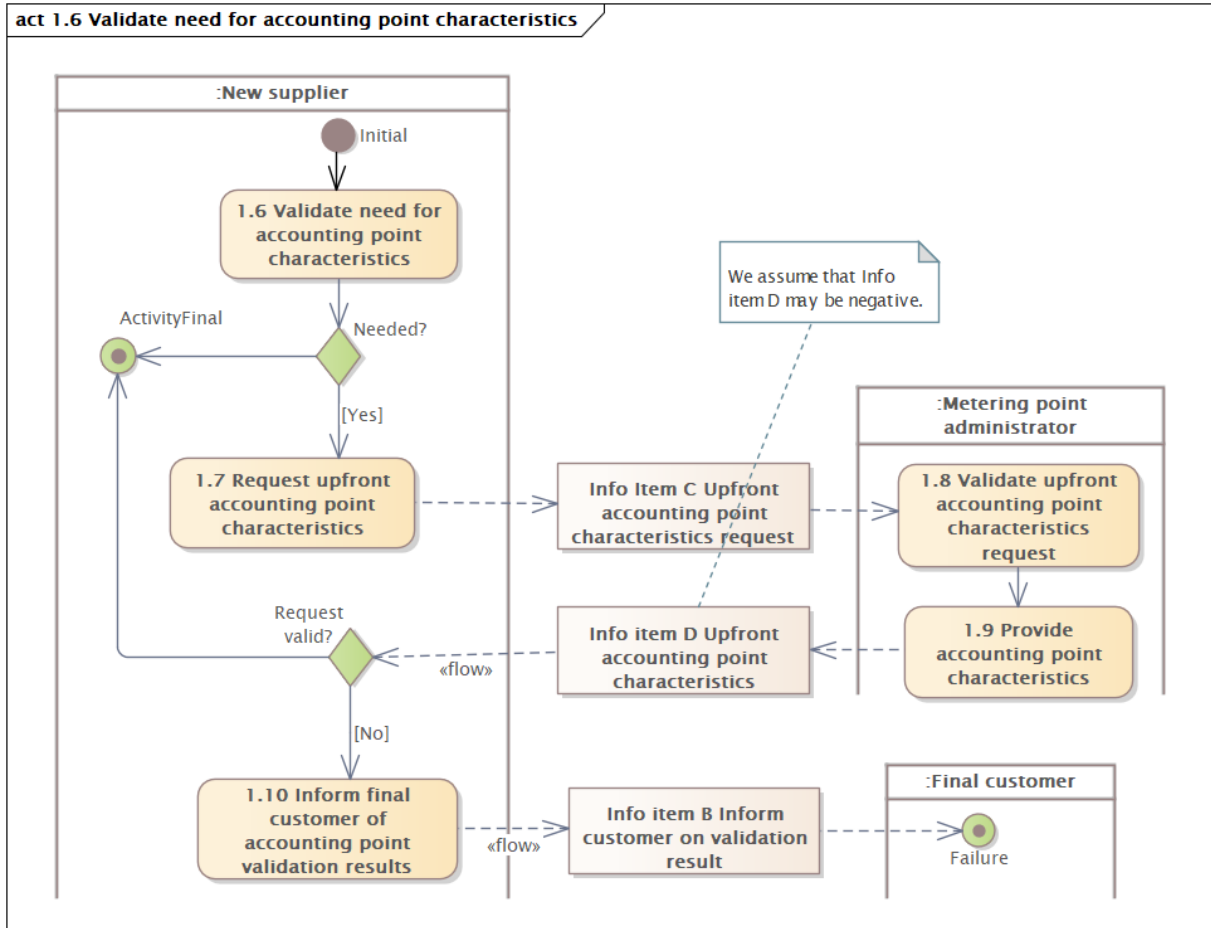
527 **Figure 15:** Business Process UseCase: [IR Activity 1.6] Validate need for accounting point
528 characteristics
529

530 **4.1.3.4.1 Description**

UseCase description: [IR Activity 1.6] Validate need for accounting point characteristics	
definition	The new supplier decides whether he needs upfront accounting point characteristics. If needed, the upfront accounting point characteristics are requested, verified and handled by the new supplier and finally the final customer is informed of the accounting point validation result.
beginsWhen	When the new supplier has received a supplier switch request from the customer and, if the there was a need to check for contractual constraints, these have been positively solved.
preCondition	The accounting point id is available. The final customer has given relevant permissions to the new supplier.
endsWhen	The new supplier and the final customer are ready to sign a contract or the process is stopped.
postCondition	The accounting point characteristics are validated.
exceptions	The process is feasible according to national rules.
actions	See 4.1.3.4.2

531 **Table 9:** UseCase description: [IR Activity 1.6] Validate need for accounting point
532 characteristics
533

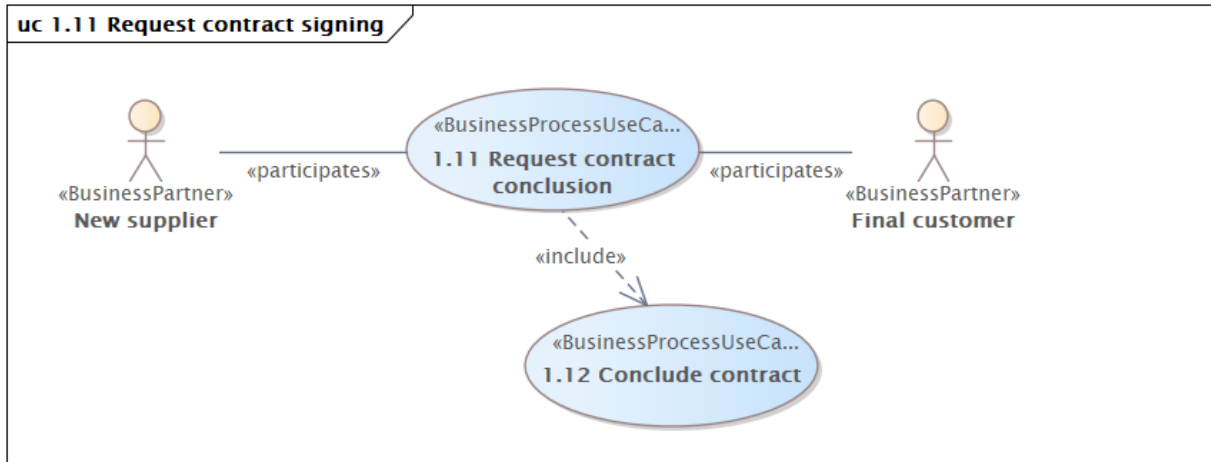
534 **4.1.3.4.2 Business process**



535
536 **Figure 16:** Business Process: [IR Activity 1.6] Validate need for accounting point
537 characteristics
538

539 **4.1.4 Request contract signing (Business Process UseCase) [IR Activity 1.11]**

540



541

Figure 17: Business Process UseCase: [IR Activity 1.11] Request contract signing

542

543

544 **4.1.4.1 Description**

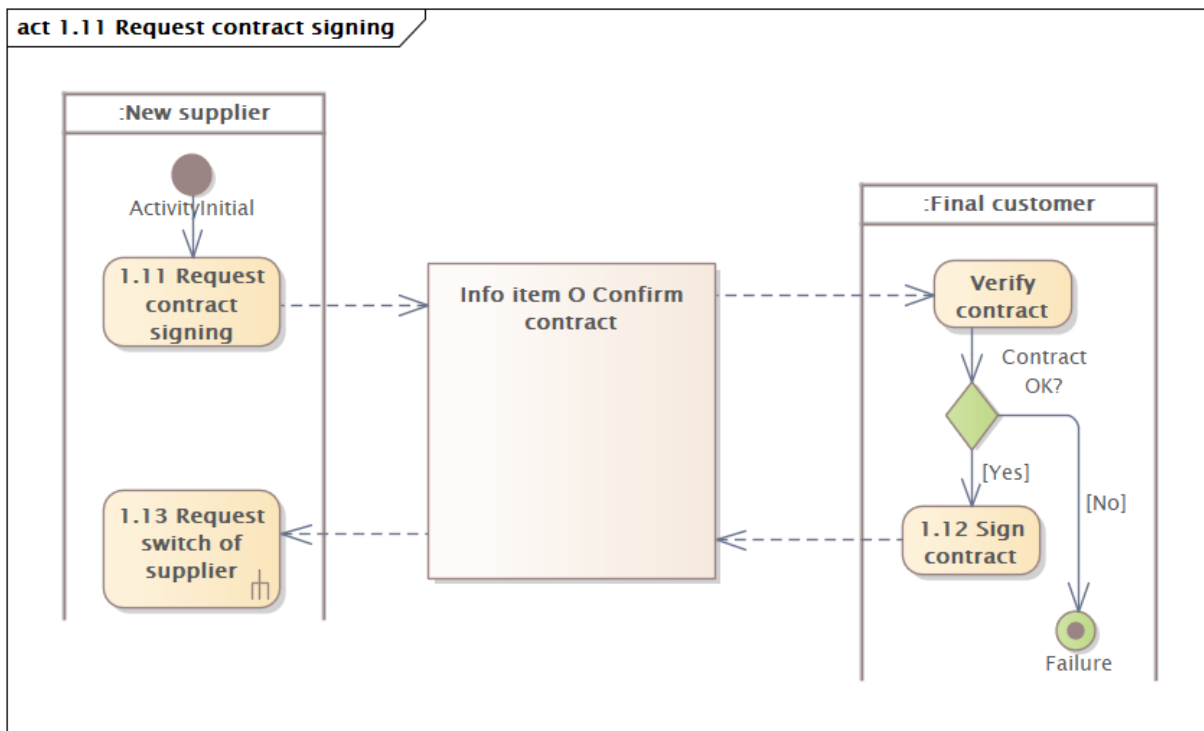
UseCase description: [IR Activity 1.11] Request contract signing	
definition	The new supplier requests the contract to be signed by the final customer. Thereafter the final customer signs the contract and returns it to the new supplier.
beginsWhen	When the new supplier has all needed information to set up a new contract with the final customer.
preCondition	All possible constraints are solved and, if needed, upfront accounting point characteristics have been received.
endsWhen	When the final customer has signed the contract with the new supplier.
postCondition	The contract has been signed.
exceptions	The contract wasn't signed.
actions	See 4.1.4.2

545

Table 10: UseCase description: [IR Activity 1.11] Request contract signing

546 4.1.4.2 Business process

547



548

Figure 18: Business Process: [IR Activity 1.11] Request contract signing

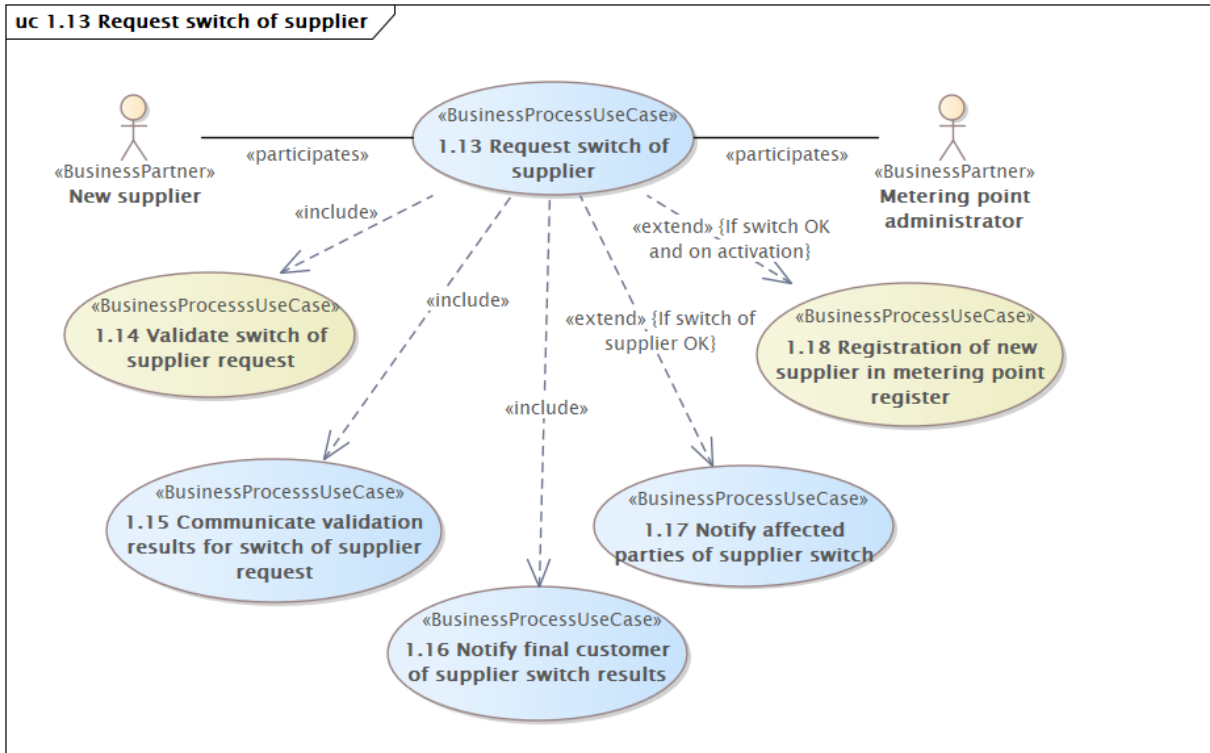
549

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552 **4.1.5 Request switch supplier (Business Process UseCase) [IR Activity 1.13]**

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Figure 19: Business Process UseCase: [IR Activity 1.13] Request switch supplier

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557 **4.1.5.1 Description**

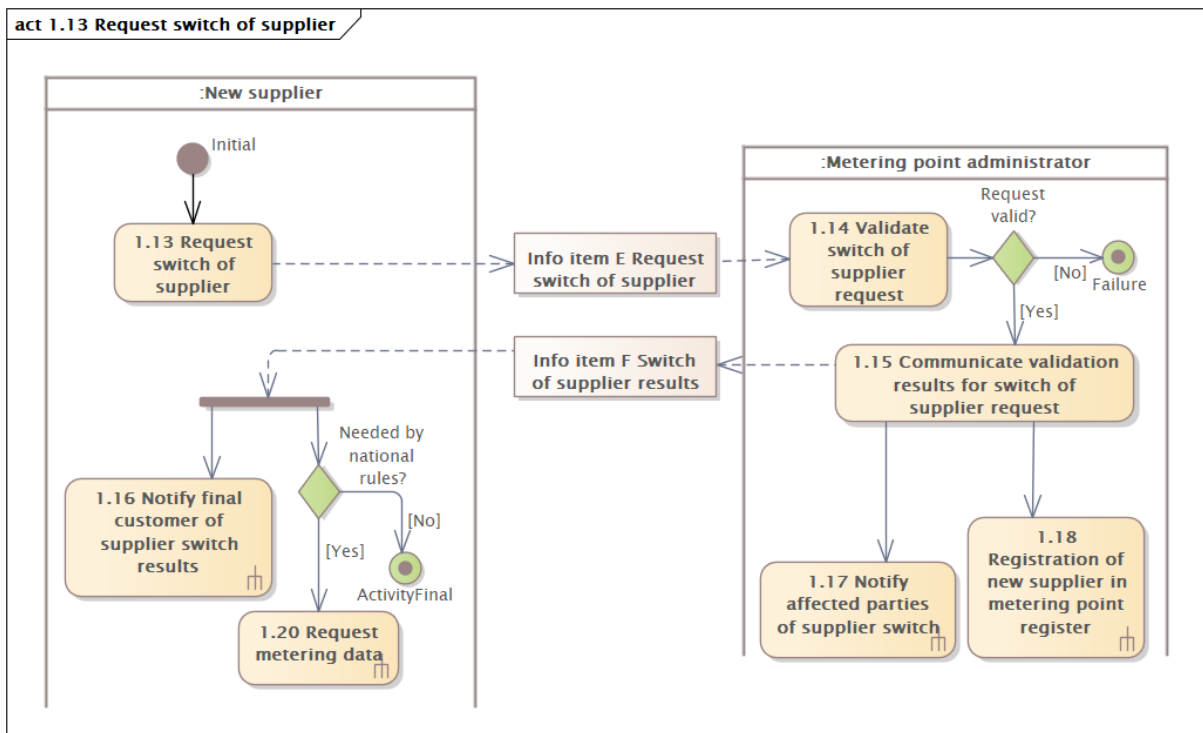
UseCase description: [IR Activity 1.13] Request switch supplier	
definition	The new supplier requests to be registered in the metering point register as the new supplier (together with its balance responsible party) for the accounting point per requested date.
beginsWhen	When the new supplier sends in the request for switch supplier.
preCondition	The final customer and the new supplier have signed a contract.
endsWhen	The new supplier is registered as the supplier in the metering point register and the affected parties are notified.
postCondition	The final customer has a new supplier.
exceptions	The metering point administrator couldn't do the switch.
actions	See 4.1.5.2

558
559

Table 11: UseCase description: [IR Activity 1.13] Request switch supplier

560 **4.1.5.2 Business process**

561



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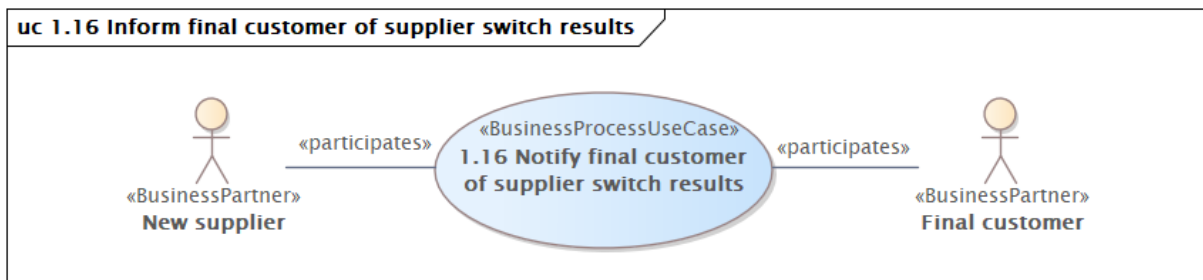
563

564

Figure 20: Business Process: [IR Activity 1.13] Request switch supplier

565 **4.1.5.3 Inform final customer of supplier switch results (Business Process UseCase)**
566 **[IR Activity 1.16]**

567



568

569 **Figure 21:** Business Process UseCase: [IR Activity 1.16] Inform final customer of supplier
570 switch results

571

572 **4.1.5.3.1 Description**

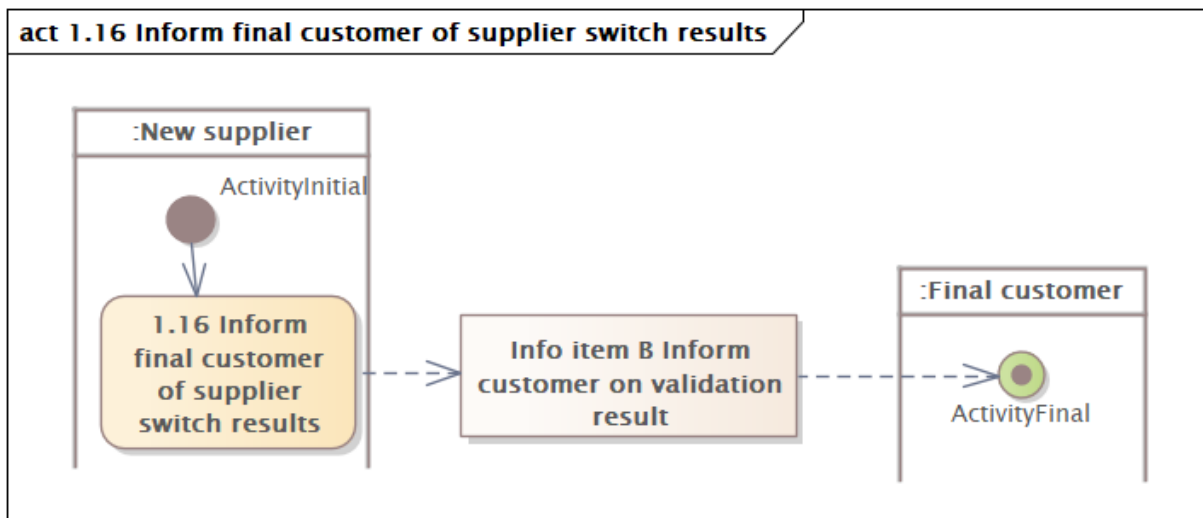
UseCase description: [IR Activity 1.16] Inform final customer of supplier switch results	
definition	The new supplier informs the final customer of the supplier switch result.
beginsWhen	When the new supplier is registered as the supplier in the metering point register or when the switch has been rejected by the metering point administrator and the switch process stops.
preCondition	The request switch supplier has been processed by the metering point administrator.
endsWhen	When the new supplier has informed the final customer about the result of the supplier switch.
postCondition	The final customer has been informed of the switch supplier result.
exceptions	None.
actions	See 4.1.5.3.2

573

574 **Table 12:** UseCase description: [IR Activity 1.16] Inform final customer of supplier switch
575 results

576 **4.1.5.3.2 Business process**

577



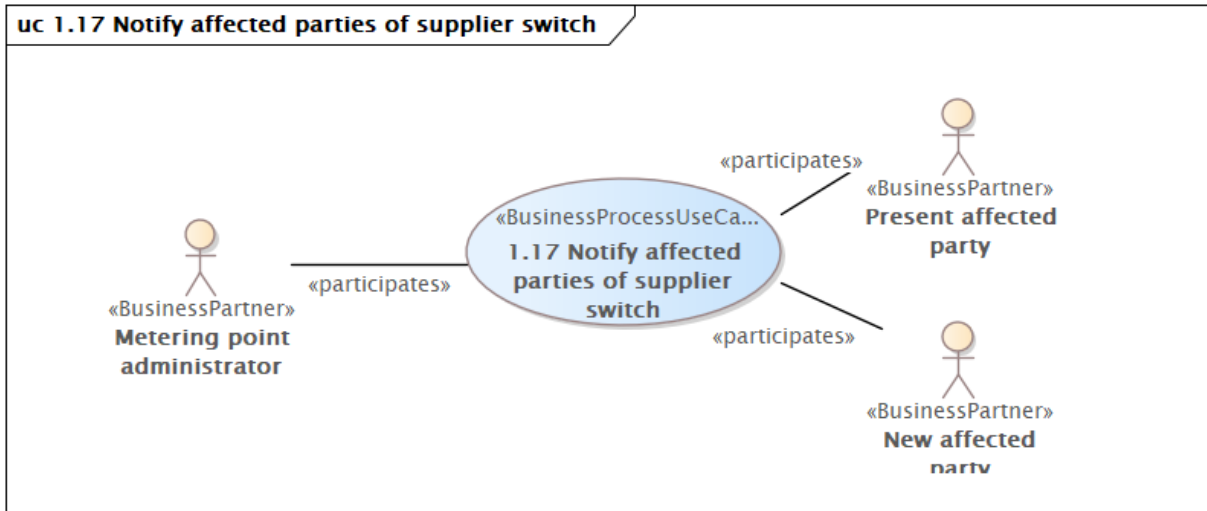
578

579 **Figure 22:** Business Process: [IR Activity 1.16] Inform final customer of supplier switch
580 results

581

582

583 **4.1.5.4 Notify affected parties of supplier switch (Business Process UseCase) [IR**
584 **Activity 1.17]**



585

586 **Figure 23:** Business Process UseCase: [IR Activity 1.17] Notify affected parties of supplier
587 switch
588

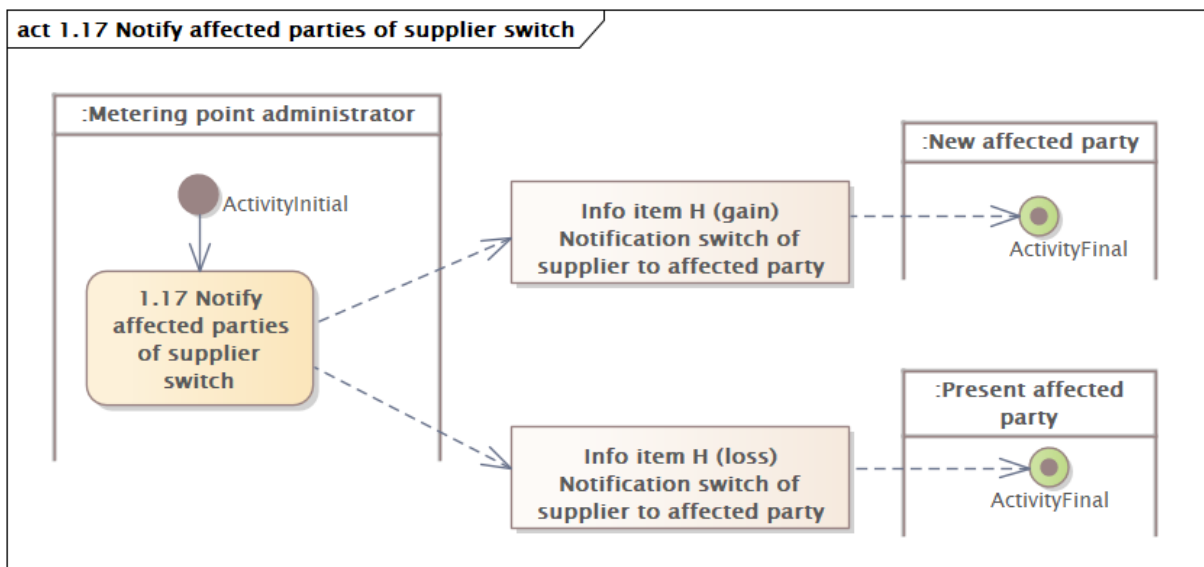
589 **4.1.5.4.1 Description**

UseCase description: [IR Activity 1.17] Notify affected parties of supplier switch	
definition	The metering point administrator notifies all affected parties directly after positive validation of the switch of supplier request
beginsWhen	When the new supplier is registered as the supplier in the metering point register.
preCondition	The request switch supplier has been processed by the metering point administrator.
endsWhen	When the metering point administrator has informed all affected parties about the supplier switch.
postCondition	All affected parties have been informed about the supplier switch.
exceptions	None.
actions	See 4.1.5.4.2

590
591

Table 13: UseCase description: [IR Activity 1.17] Notify affected parties of supplier switch

592 4.1.5.4.2 Business process



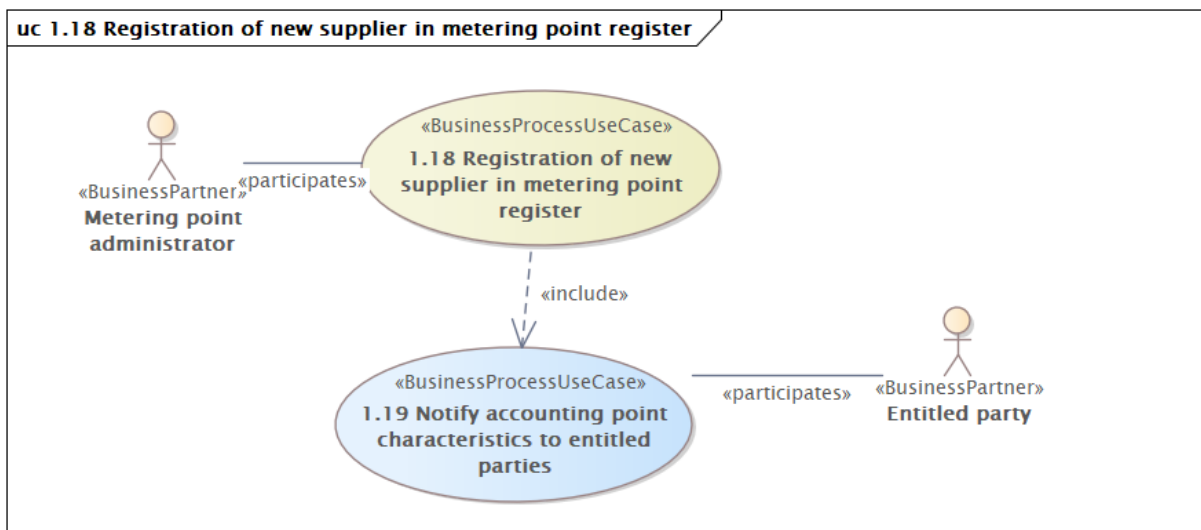
593

594 **Figure 24:** Business Process: [IR Activity 1.17] Notify affected parties of supplier switch

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597 **4.1.5.5 Registration of new supplier in Metering Point register (Business Process**
598 **UseCase) [IR Activity 1.18]**



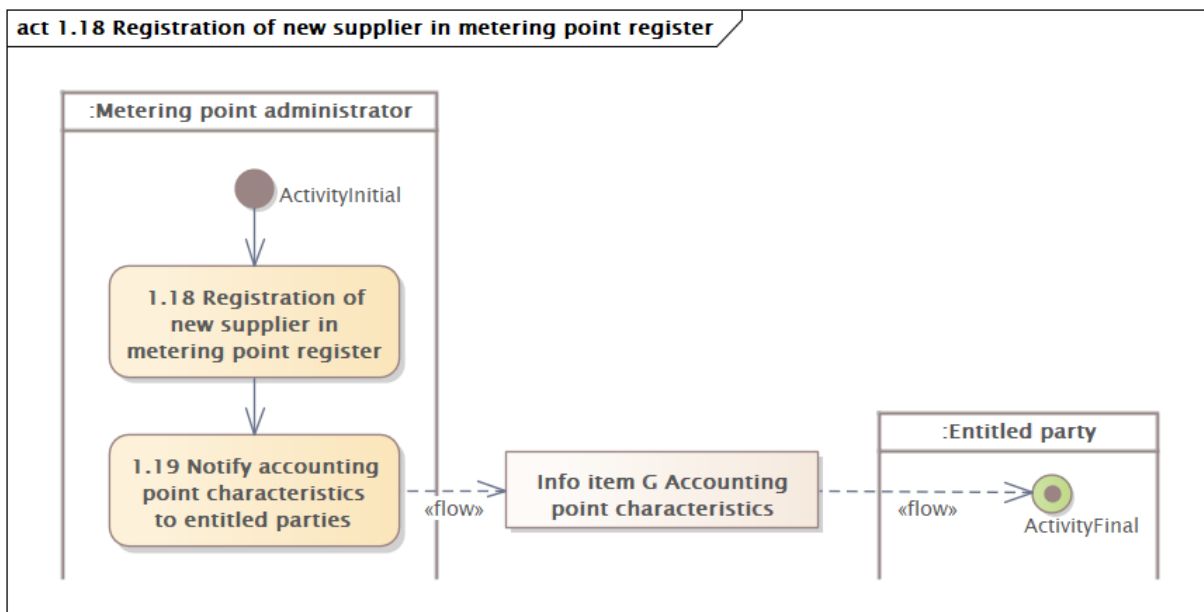
599
600 **Figure 25:** Business Process UseCase: [IR Activity 1.18] Registration of new supplier in
601 Metering Point register
602

603 **4.1.5.5.1 Description**

UseCase description: [IR Activity 1.18] Registration of new supplier in Metering Point register	
definition	The metering point administrator registers the new supplier (along with the balance responsible party) in the metering point register as the supplier for the accounting point, effective as of the specified date. The metering point administrator also makes all necessary updates to complete the switch of supplier.
beginsWhen	When the metering point administrator has confirmed a successful switch of supplier to the new supplier.
preCondition	The metering point administrator has confirmed the request switch of supplier to the new supplier.
endsWhen	When the metering point administrator has informed all entitled parties about the supplier switch.
postCondition	All entitled parties have been informed about the supplier switch.
exceptions	The switch of supplier failed.
actions	See 4.1.5.5.2

604 **Table 14:** UseCase description: [IR Activity 1.18] Registration of new supplier in Metering
605 Point register
606

607 **4.1.5.5.2 Business process**

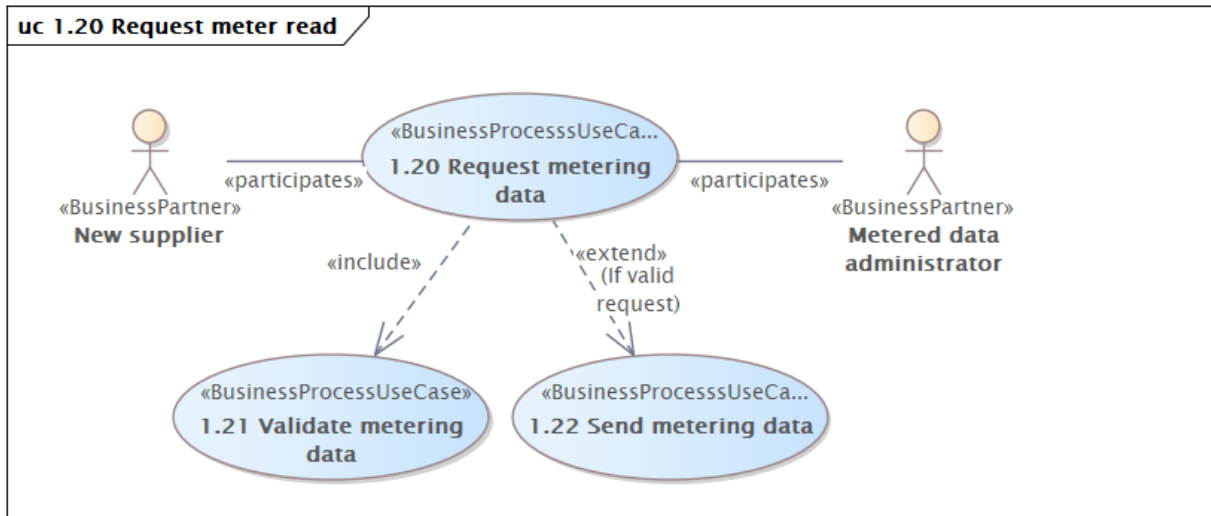


608

609 **Figure 26:** Business Process: [IR Activity 1.18] Registration of new supplier in Metering Point
610 register
611

612

613 **4.1.6 Request meter read (Business Process UseCase) [IR Activity 1.20]**



614

615 **Figure 27:** Business Process UseCase: [IR Activity 1.20] Request meter read

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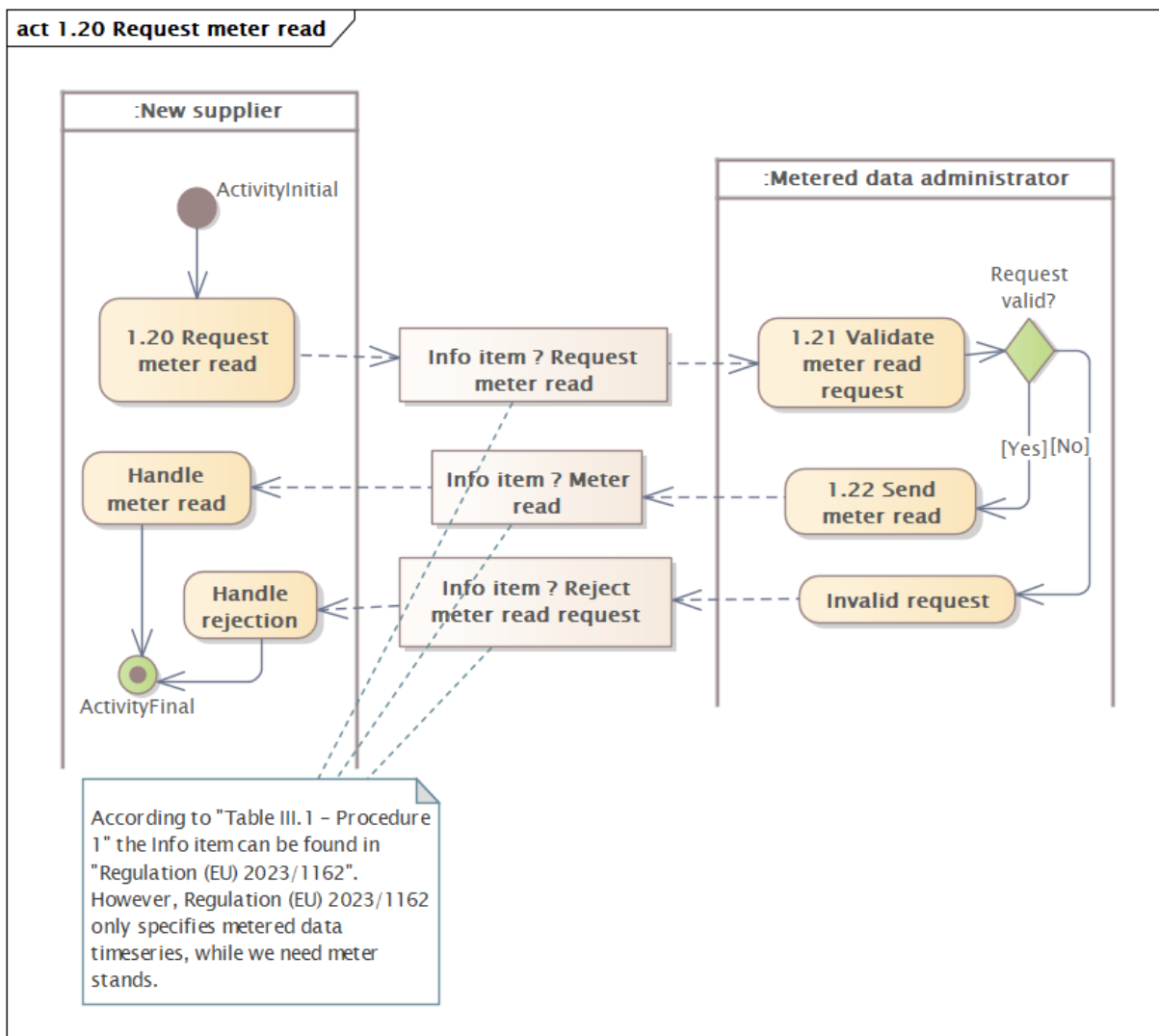
617 **4.1.6.1 Description**

UseCase description: [IR Activity 1.20] Request meter read	
definition	The new supplier requests a meter read for the effective date of the switch of supplier at the accounting point to ensure accurate billing.
beginsWhen	When the new supplier sends in the request for meter read.
preCondition	The switch has been activated.
endsWhen	The metered data administrator has sent the meter read.
postCondition	The new supplier has received the meter read.
exceptions	The request for metering read was rejected.
actions	See 4.1.6.2

618

619 **Table 15:** UseCase description: [IR Activity 1.20] Request meter read

620 **4.1.6.2 Business process**



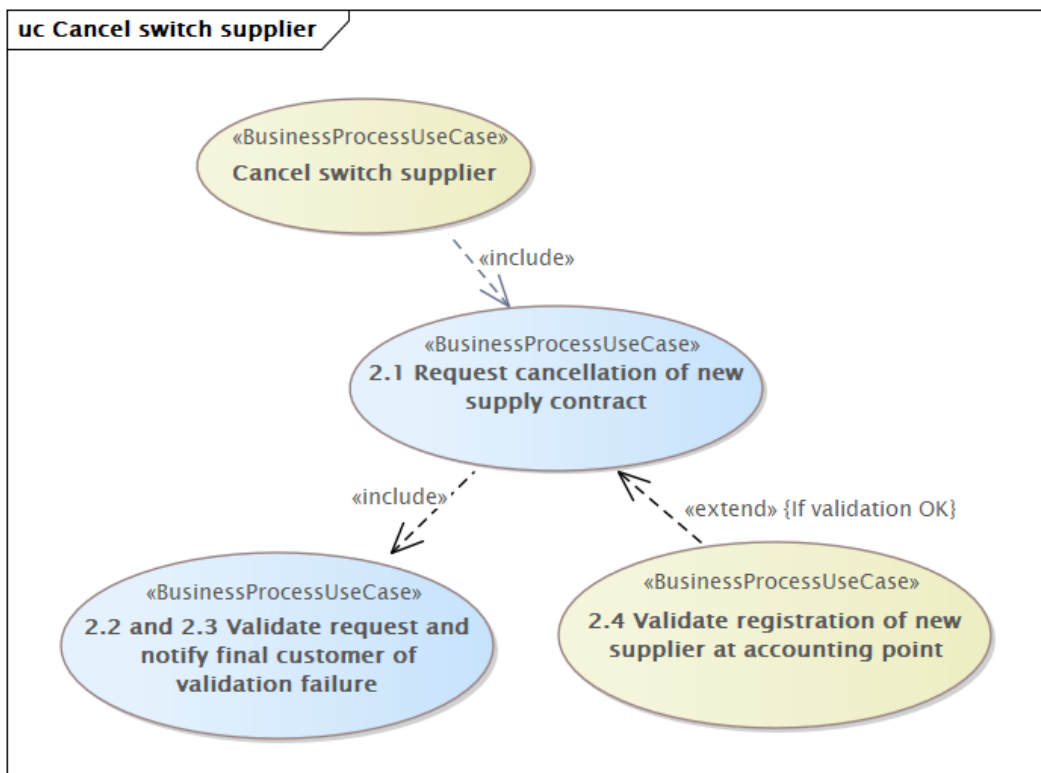
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Figure 28: Business Process: [IR Activity 1.20] Request meter read

624 4.2 Procedure 2: Cancellation of switching supplier (Business Process UseCase)



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Figure 29: Business Process UseCase: Cancel switch supplier

629 **4.2.1 Description**

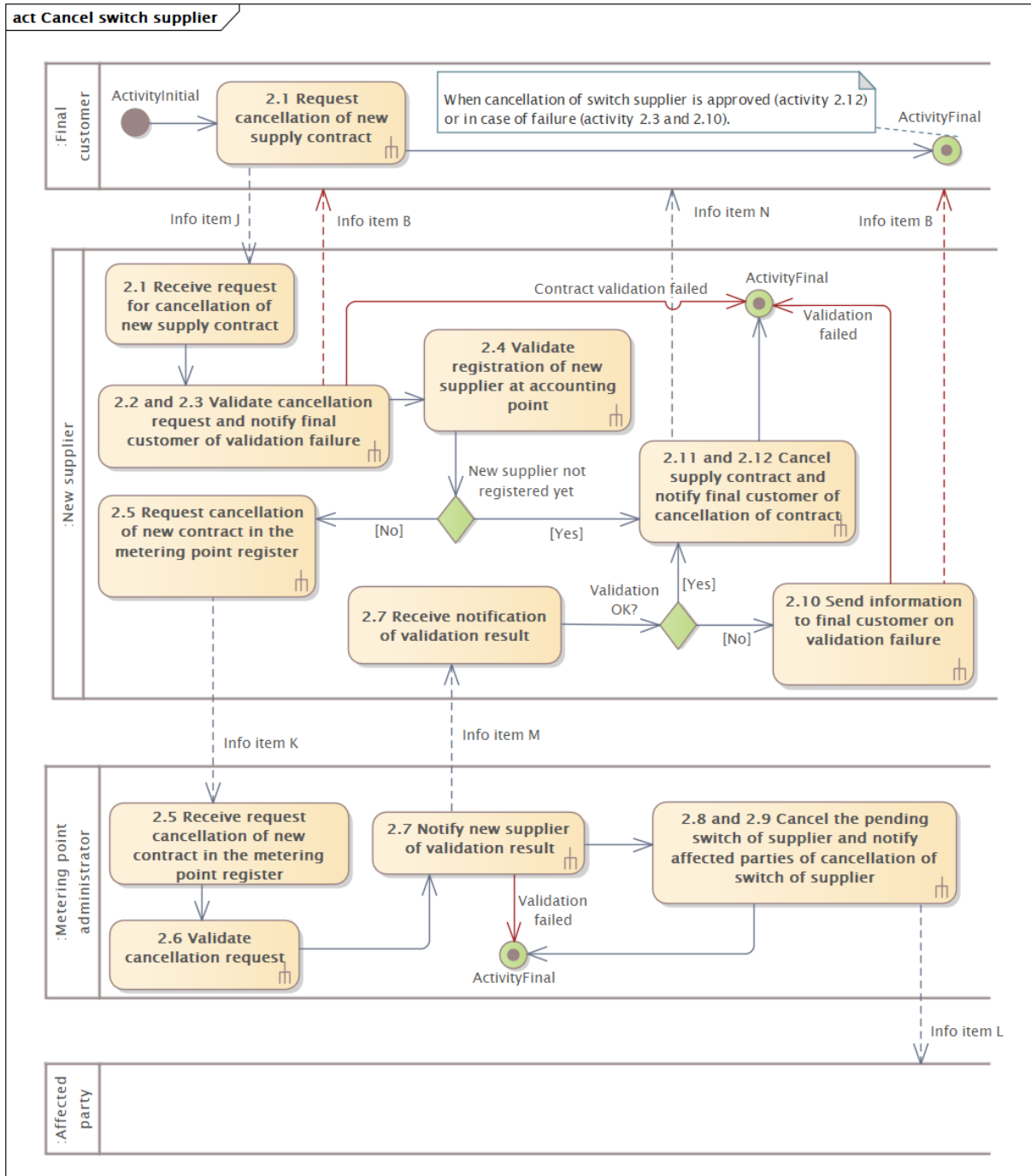
UseCase description: Cancel switch supplier	
definition	<p>This is an overview UseCase.</p> <p>The procedure '<i>cancellation of switching supplier</i>' allows for the revocation of a supplier switch notification initiated through the '<i>switching supplier</i>' procedure.</p> <p>The implementation of that procedure is to a certain extent dependent on national rules governing the application of final customer's right to cancel the new supply contract within the allowed withdrawal period. In national settings, a standard sub-procedure based on contractual law, and linked to the withdrawal period, may be used, which is applicable across all sectors, including the electricity sector, as well as for all services and goods. As a result, steps of the '<i>cancellation of switching supplier</i>' procedure are to be understood and implemented without affecting the national rules and procedures for handling the allowed withdrawal period.</p>
beginsWhen	When the final customer submits a request to cancel the new supply contract to the newly contracted supplier.
preCondition	<p>The final customer has a supply contract with the new supplier.</p> <p>The supply of electricity based on the new contract has not yet started.</p>
endsWhen	When the request for cancellation of switch supplier is confirmed, and all eligible parties are informed about the cancellation of switch of supplier.
postCondition	The final customer still has the current supplier at the accounting point, and all eligible parties have been informed.
exceptions	The request for cancellation of switch supplier is rejected, and the cancellation process is aborted.
actions	Not applicable at this level.

Table 16: UseCase description: Cancel switch supplier

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632 **4.2.2 Overview of «Business Process» Cancel switch supplier**

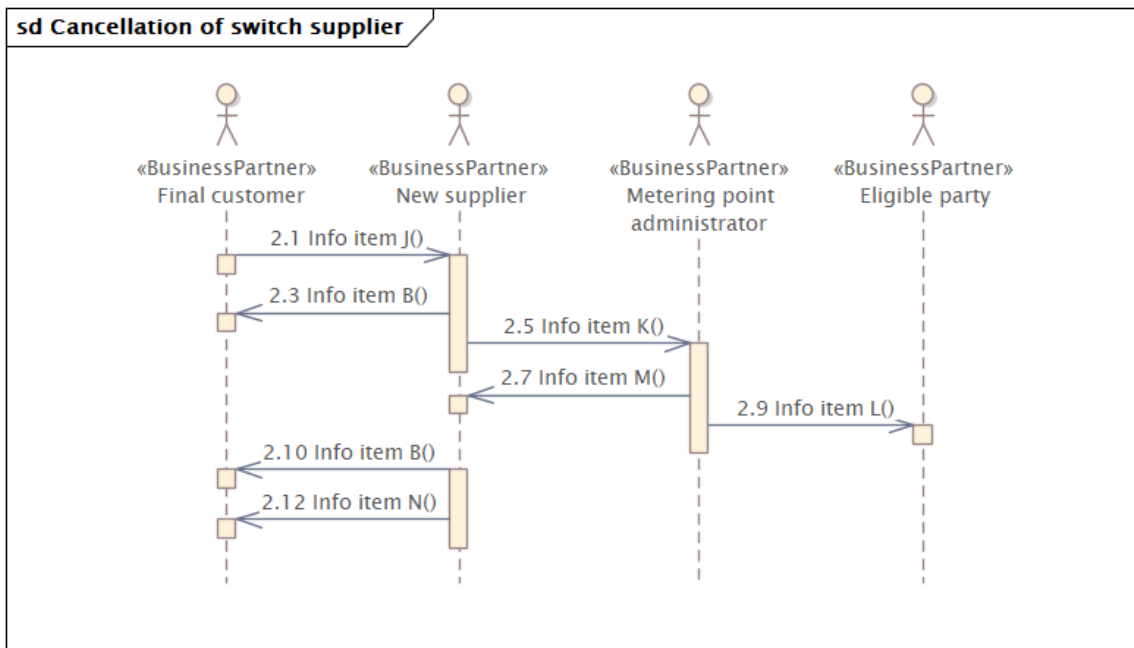
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Figure 30: Business Process: Cancel switch supplier



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Figure 31: Sequence diagram: Cancel switch supplier

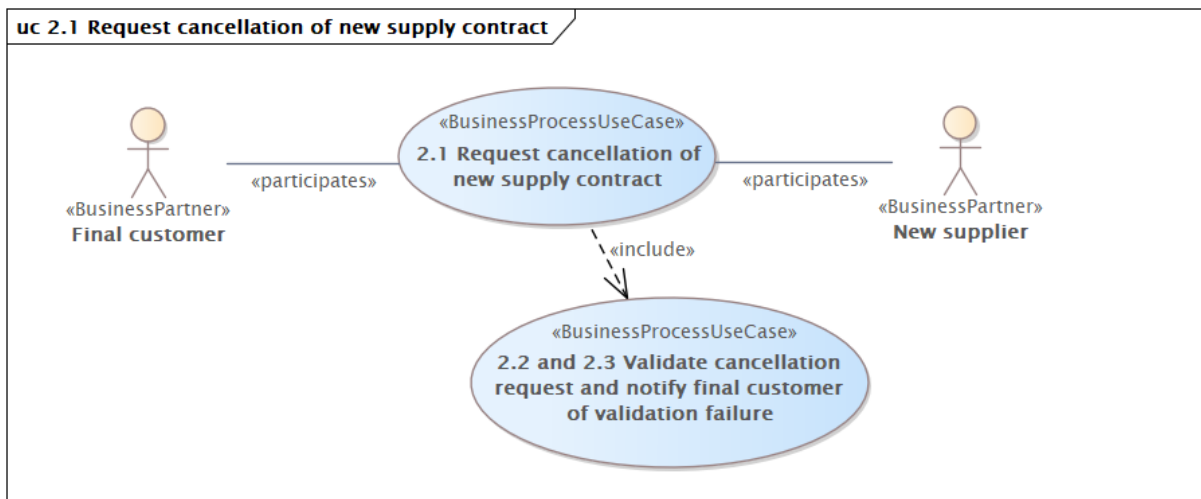
Procedure 1: Candidates for mapping to CIM	Mapping to CIM
Info item J Request cancellation of contract	No
Info item B Inform customer on validation result	No
Info Item K Request cancel switch of supplier in metering point register	Yes
Info item L Notification on cancellation switch of supplier in metering point register to affected parties	Yes
Info item M Notification on cancellation to supplier	Yes
Info item N Notification of cancellation of switch of supplier to final customer	No

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Table 17: Procedure 1: Cancel switch supplier - Candidates for mapping to CIM

644 **4.2.3 Request cancellation of new supply contract, validate request and if failure**
 645 **notify final customer of the validation failure (Business Process UseCase) [IR**
 646 **Activity 2.1]**

647



648

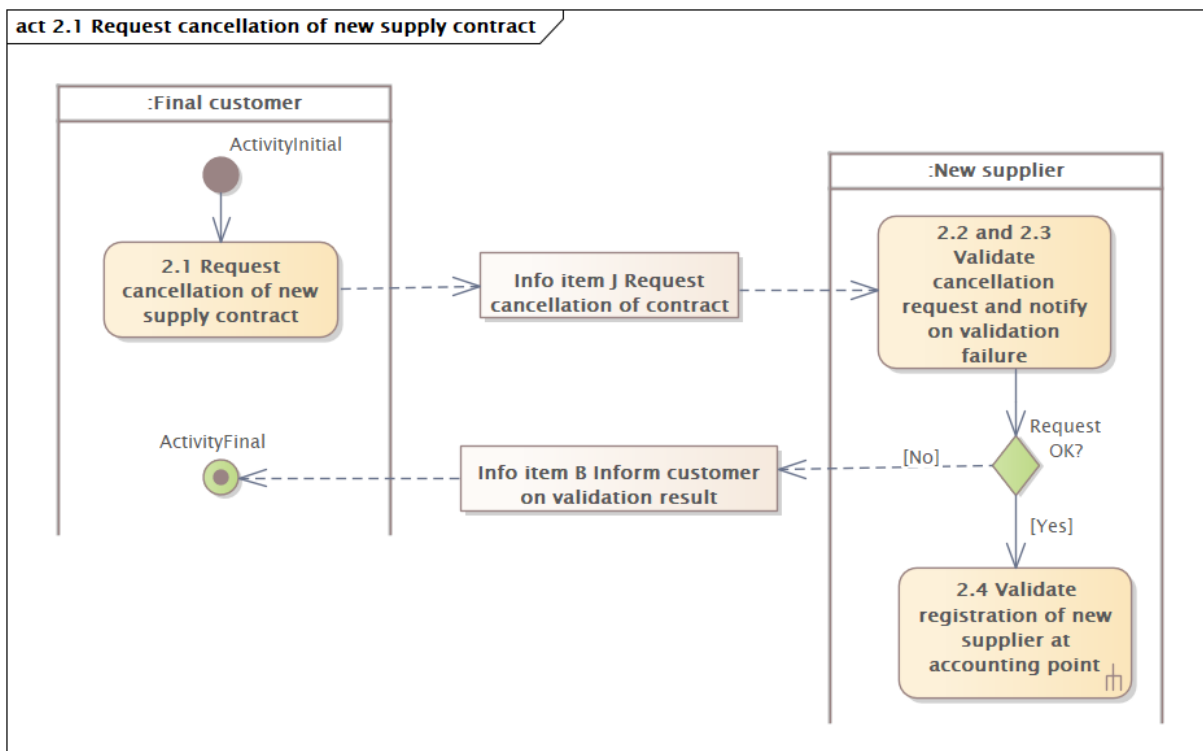
649 **Figure 32:** Business Process UseCase: [IR Activity 2.1, 2.2 and 2.3] Request cancellation of
 650 new supply contract, validate request and if failure notify final customer of the validation
 651 failure
 652

653 **4.2.3.1 Description**

UseCase description: [IR Activity 2.1, 2.2 and 2.3] Request cancellation of new supply contract, validate request and if failure notify final customer of the validation failure	
definition	The final customer submits a request to cancel the new supply contract to the newly contracted supplier.
beginsWhen	When the final customer submits the request.
preCondition	The final customer has a supply contract with the new supplier. The supply of electricity based on the new contract has not yet started.
endsWhen	When the new supplier has verified the request to cancel the new supply contract and either sends a rejection to the final customer or start verifying if the metering point administrator is informed of the switch.
postCondition	The request for cancellation is validated, and the cancellation is either rejected, or the new supplier validates if the switch already is forwarded to the metering point administrator.
exceptions	None.
actions	See 4.2.4.2

654 **Table 18:** UseCase description: [IR Activity 2.1, 2.2 and 2.3] Request cancellation of new
 655 supply contract, validate request and if failure notify final customer of the validation failure
 656
 657

658 4.2.3.2 Business process

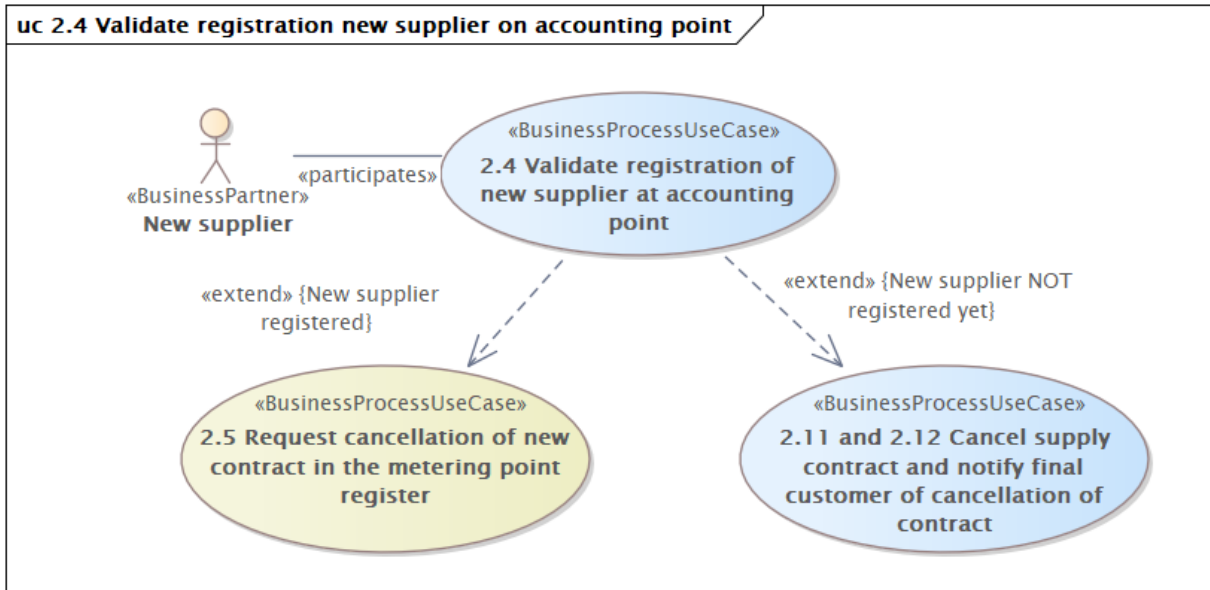


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Figure 33: Business Process: [IR Activity 2.1, 2.2 and 2.3] Request cancellation of new supply contract, validate request and if failure notify final customer of the validation failure

667 **4.2.4 Validate registration of new supplier at accounting point (Business Process**
668 **UseCase) [IR Activity 2.4]**

669



670

671 **Figure 34:** Business Process UseCase: [IR Activity 2.4] Validate registration of new supplier
672 at accounting point

673

674 **4.2.4.1 Description**

UseCase description: [IR Activity 2.4] Validate registration of new supplier at accounting point	
definition	The new supplier validates the registration of the switch of supplier request in the metering point register in accordance with the new contract, and dependent on the outcome either requests cancellation in the metering point register or cancel the contract and notify final customer of cancellation of contract.
beginsWhen	When the new supplier has accepted the cancellation of the new supply contract.
preCondition	The new supplier has verified the cancellation of the new supply contract.
endsWhen	The request for cancellation is processed by the new supplier.
postCondition	If the metering point administrator is NOT informed about the switch; the new supplier has confirmed the cancellation to the final customer. If the metering point administrator is informed about the switch; the new supplier has forwarded the cancellation to the metering point administrator.
exceptions	None.
actions	See 4.2.4.2

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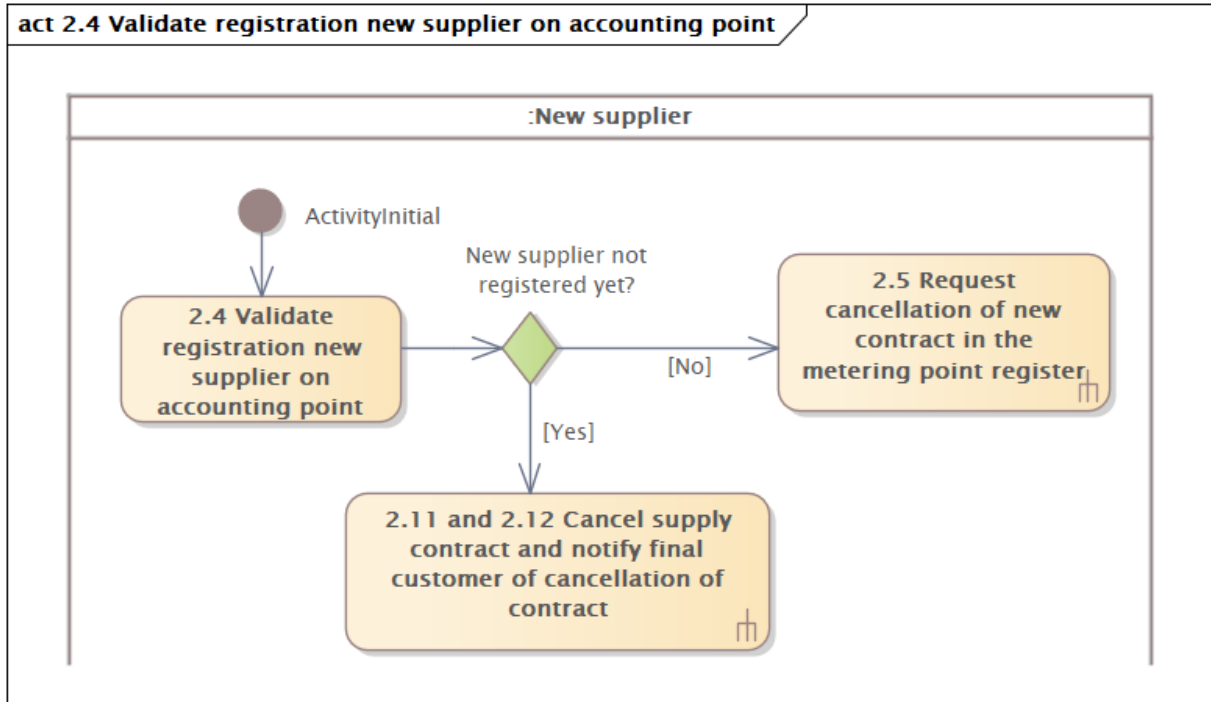
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Table 19: UseCase description: [IR Activity 2.4] Validate registration of new supplier at accounting point

678 **4.2.4.2 Business process**

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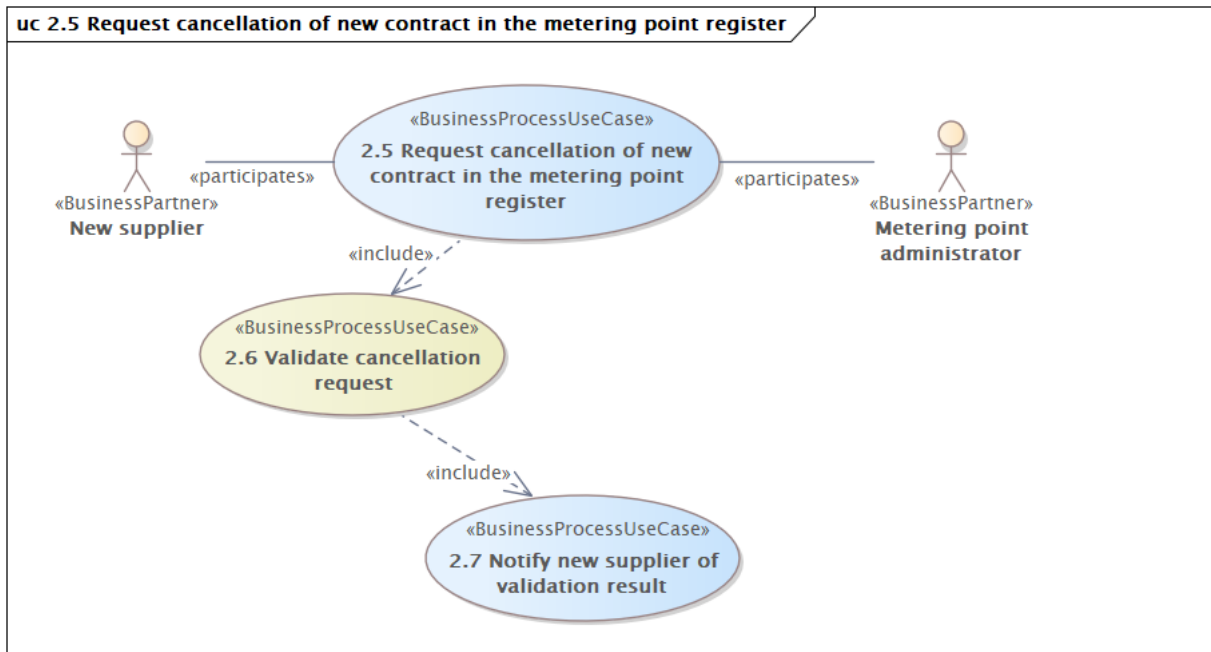
683

Figure 35: Business Process: [IR Activity 2.4] Validate registration of new supplier at accounting point

684 **4.2.5 Request cancellation of new contract in the metering point register (Business Process UseCase) [IR Activity 2.5]**

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Figure 36: Business Process UseCase: [IR Activity 2.5] Request cancellation of new contract in the metering point register

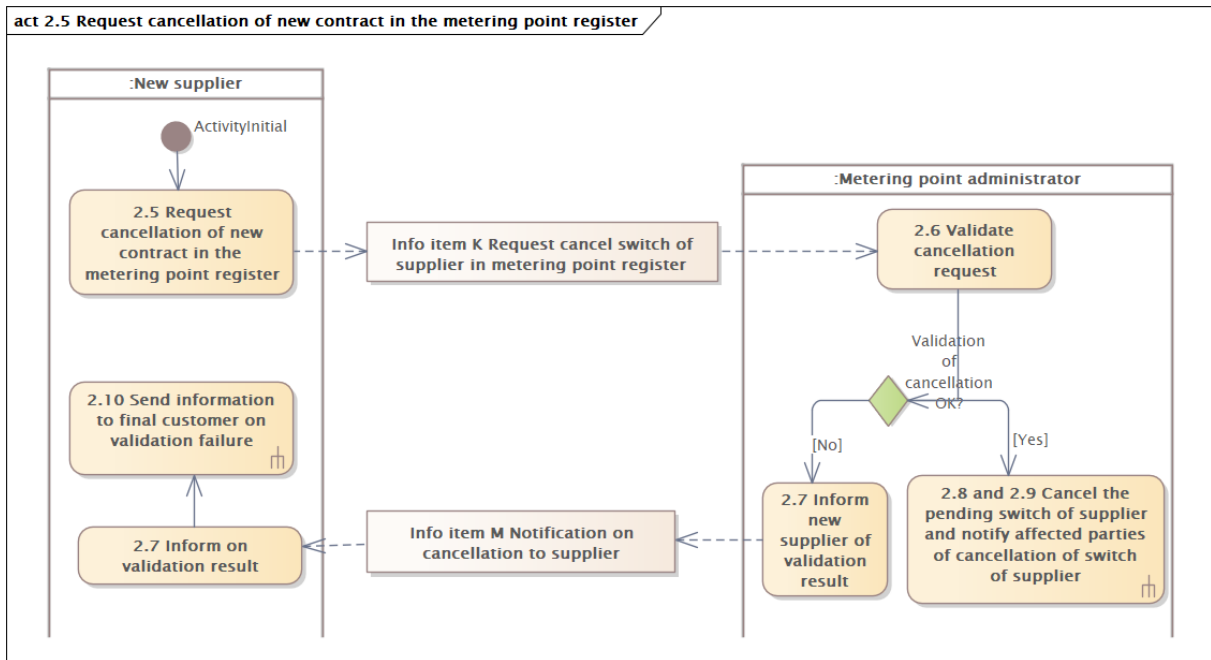
691 **4.2.5.1 Description**

UseCase description: [IR Activity 2.5] Request cancellation of new contract in the metering point register	
definition	The supplier requests to cancel the pending switch of supplier in the metering point register due to cancellation of the new supply contract to the metering point administrator, who validates the request and inform the new supplier of the validation result.
beginsWhen	When the new supplier has validated the request for cancellation of the new supply contract and need to forward the request to cancel the pending switch of supplier to the metering point administrator.
preCondition	The new supplier has already informed the metering point administrator of the new supply contract. The supply of electricity based on the new contract has not yet started.
endsWhen	When the new supplier has received validation results from the metering point administrator.
postCondition	The request for cancellation is validated by the metering point administrator, and the cancellation is either rejected, or approved.
exceptions	None.
actions	See 4.2.5.2

692 **Table 20:** UseCase description:[IR Activity 2.5] Request cancellation of new contract in the
693 metering point register
694

695 **4.2.5.2 Business process**

696

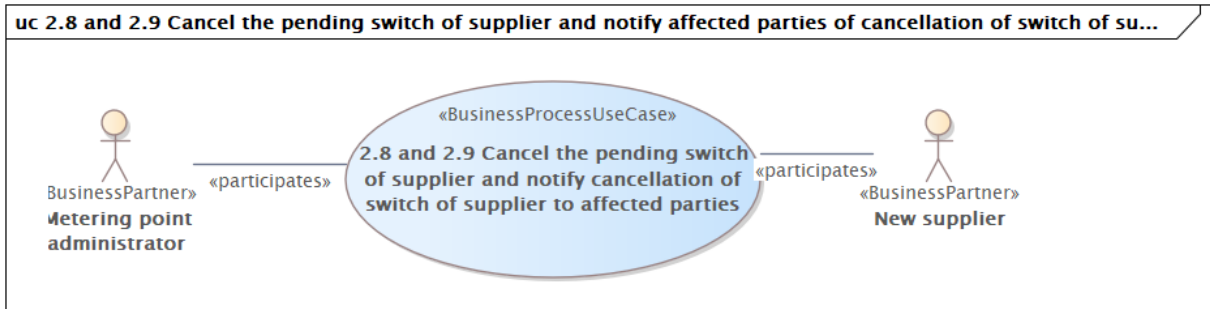


697

698 **Figure 37:** Business Process: [IR Activity 2.5] Request cancellation of new contract in the
699 metering point register
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701

702 **4.2.6 Cancel the pending switch of supplier and notify cancellation of switch of**
703 **supplier to affected parties (Business Process UseCase) [IR Activity 2.8 and 2.9]**

704



705

706 **Figure 38:** Business Process UseCase: [IR Activity 2.8 and 2.9] Cancel the pending switch of
707 supplier and notify cancellation of switch of supplier to affected parties
708

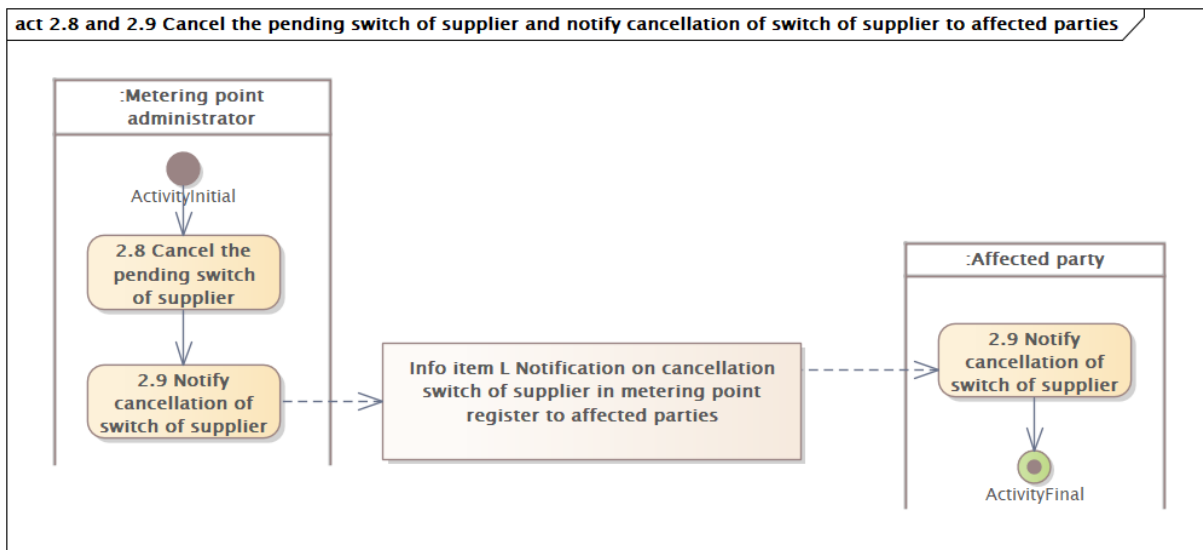
709 **4.2.6.1 Description**

UseCase description: [IR Activity 2.8 and 2.9] Cancel the pending switch of supplier and notify cancellation of switch of supplier to affected parties	
definition	The metering point administrator cancels the new supply contract in the metering point register and informs affected parties of the cancellation.
beginsWhen	When the metering point administrator has validated the request for cancellation of the new supply contract and must inform the affected parties of the cancellation.
preCondition	The cancellation of the new supply contract is valid.
endsWhen	When the metering point administrator has informed the affected parties of the cancellation of the new supply contract.
postCondition	The affected parties have been informed of the cancellation of the new supply contract.
exceptions	None.
actions	See 4.2.6.2

710 **Table 21:** UseCase description: [IR Activity 2.8 and 2.9] Cancel the pending switch of supplier
711 and notify cancellation of switch of supplier to affected parties
712

713 **4.2.6.2 Business process**

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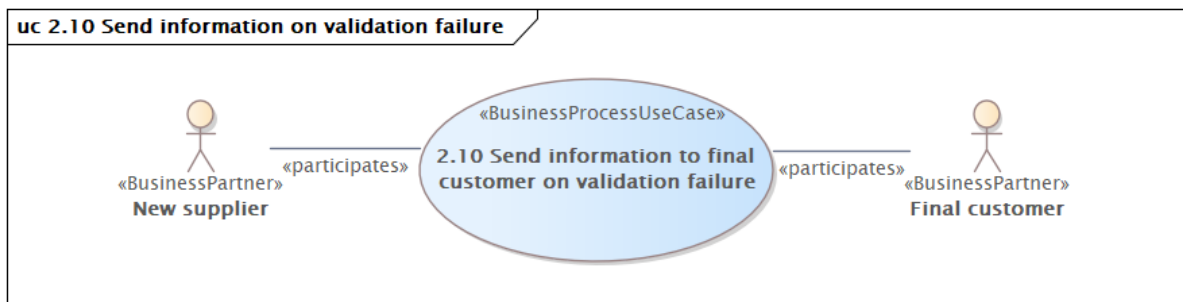
716 **Figure 39:** Business Process: [IR Activity 2.8 and 2.9] Cancel the pending switch of supplier
717 and notify cancellation of switch of supplier to affected parties

718

719

720 **4.2.7 Send information to final customer on validation failure (Business Process**
721 **UseCase) [IR Activity 2.10]**

722



723

724 **Figure 40:** Business Process UseCase: [IR Activity 2.10] Send information to final customer
725 on validation failure
726

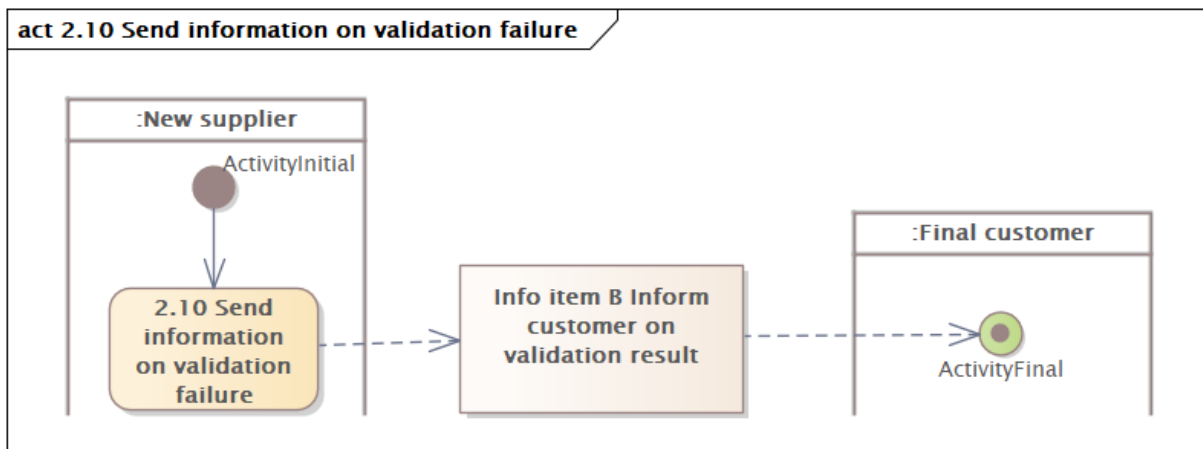
727 **4.2.7.1 Description**

UseCase description: [IR Activity 2.10] Send information to final customer on validation failure	
definition	The new supplier sends information to final customer on validation failure.
beginsWhen	The new supplier has received information from the metering point administrator that the validation for the cancellation of switch supplier has failed.
preCondition	The new supplier has sent the request for cancellation of switch supplier to the metering point administrator, who has validated the request with failure.
endsWhen	When the new supplier has informed the final customer about the failure of the request for cancellation of the supplier switch.
postCondition	The final customer has received the information of failure of the request for cancellation of the supplier switch, and the switch will take place.
exceptions	None.
actions	See 4.2.7.2

728 **Table 22:** UseCase description: [IR Activity 2.10] Send information to final customer on
729 validation failure
730

731 **4.2.7.2 Business process**

732



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Figure 41: Business Process: [IR Activity 2.10] Send information to final customer on validation failure

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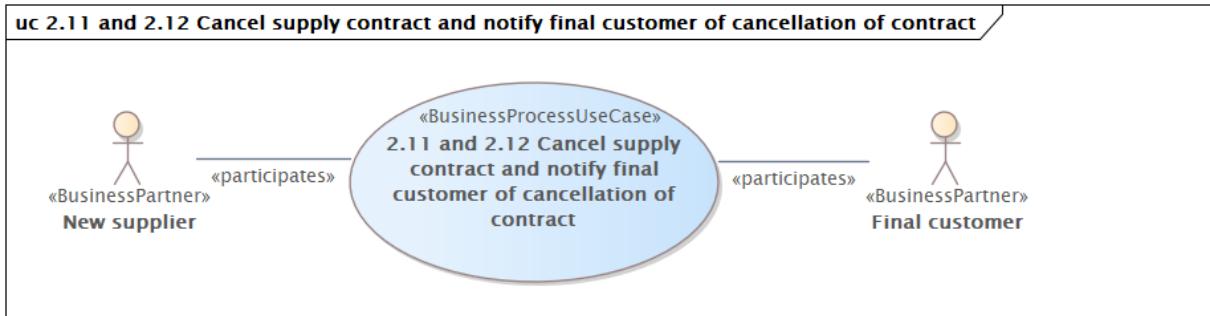
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738 **4.2.8 Cancel contract and notify final customer of cancellation of contract (Business**
739 **Process UseCase) [IR Activity 2.11 and 2.12]**

740



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742 **Figure 42:** Business Process UseCase: [IR Activity 2.11 and 2.12] Cancel contract and notify
743 final customer of cancellation of contract
744

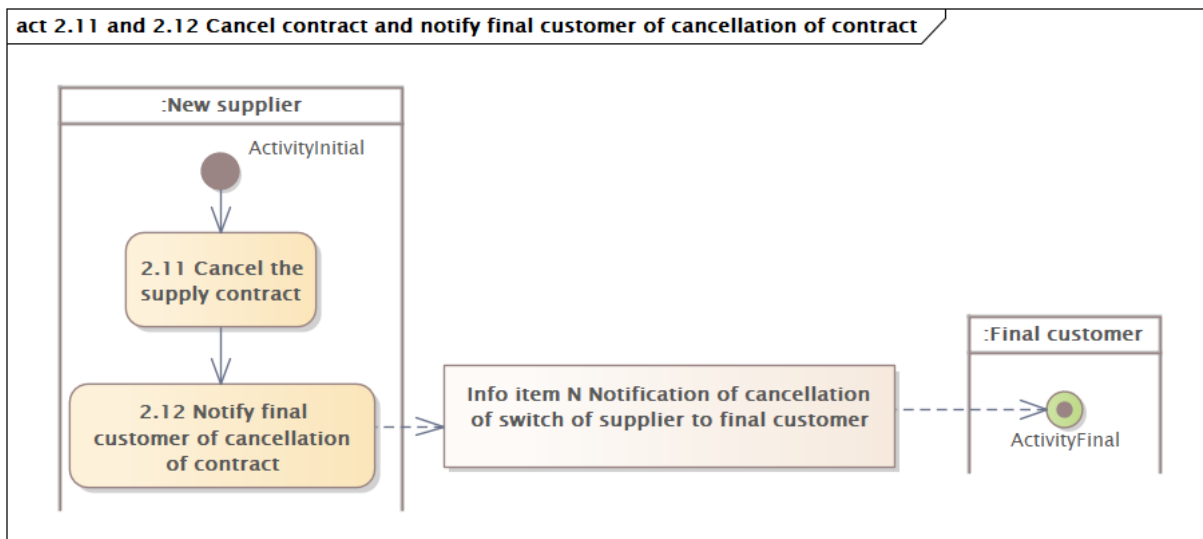
745 **4.2.8.1 Description**

UseCase description: [IR Activity 2.11 and 2.12] Cancel contract and notify final customer of cancellation of contract	
definition	The new supplier cancels the supply contract with the final customer and notifies the final customer that the new supply contract has been cancelled.
beginsWhen	When the new supplier, and if needed also the metering point administrator, have validated and accepted the cancellation of switch of supplier.
preCondition	The cancellation of the new supply contract has been validated by the new supplier, and if needed also by the metering point administrator, and found OK.
endsWhen	When the new supplier has informed the final customer of the cancellation of the new supply contract.
postCondition	The final customer stays with the current (before the switch) supplier.
exceptions	None.
actions	See 4.2.8.2

746 **Table 23:** UseCase description: [IR Activity 2.11 and 2.12] Cancel contract and notify final
747 customer of cancellation of contract
748

749 **4.2.8.2 Business process**

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Figure 43: Business Process: [IR Activity 2.11 and 2.12] Cancel contract and notify final customer of cancellation of contract

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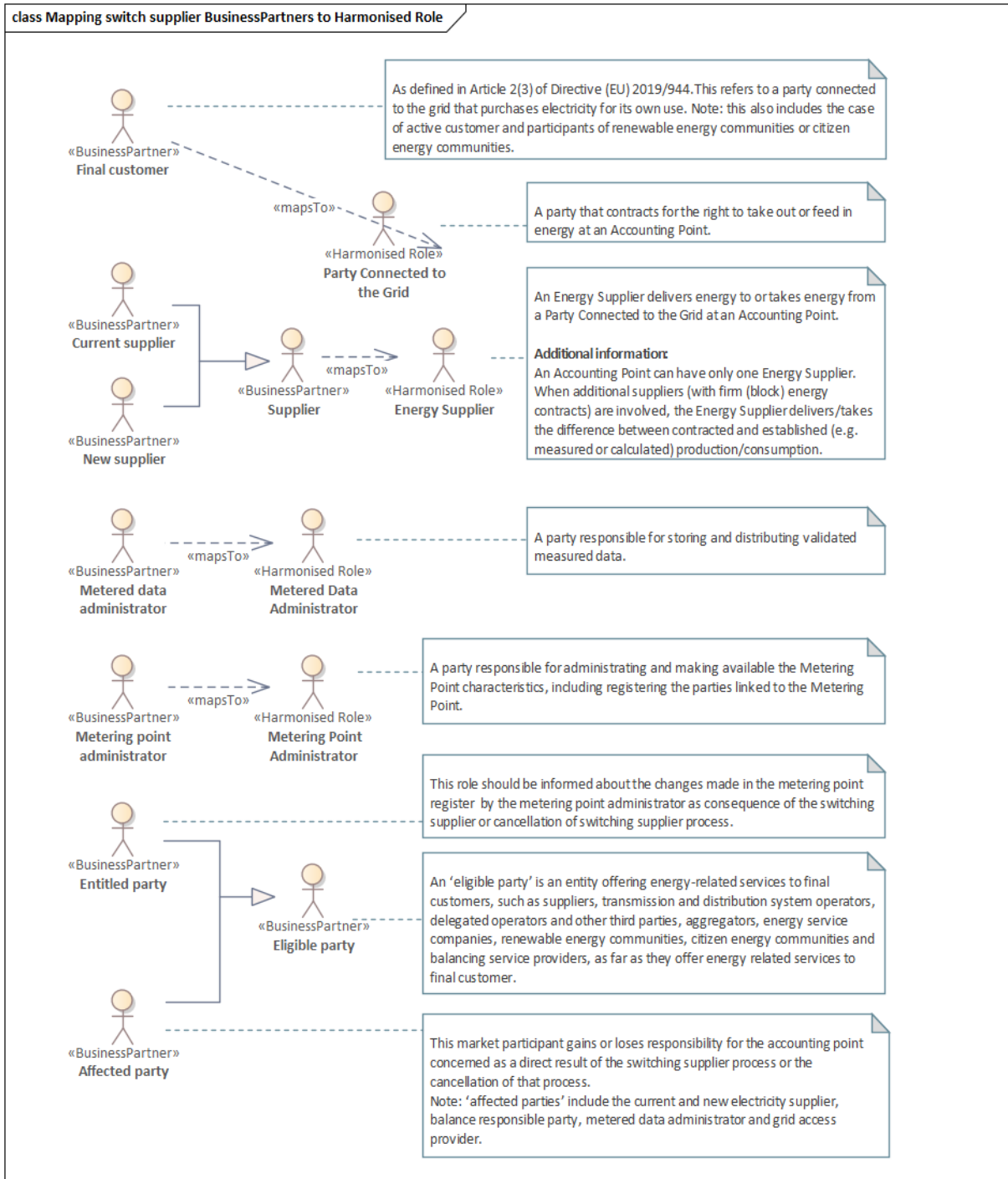
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757 **5 Business Partner View**

758 **5.1 Business Partners for customer switching**

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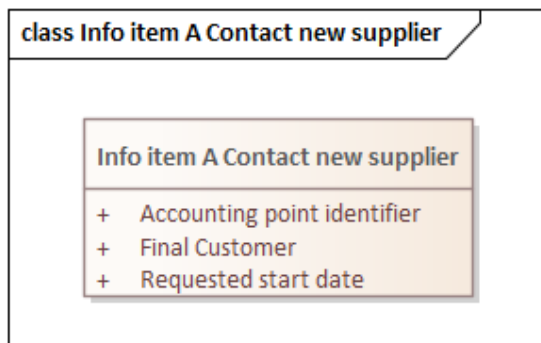
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Figure 44: Business Partners for customer switching

762 **6 Business Entity View**

763 **6.1 Info item A - Contact new supplier (class diagram)**



764

765 **Figure 45:** Class diagram: Info item A - Contact new supplier

766

767

768 **6.1.1 Info item A - Contact new supplier (element definitions)**

Attribute	Definition
«Business entity» Info item A - Contact new supplier	
Accounting Point identifier	Information set to identify the accounting point.
Final customer	Information that identifies the final customer and information used to authenticate the identity.
Requested start date	Date requested by the final customer for start of supply.

769

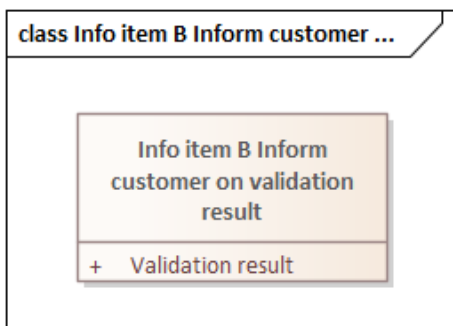
Table 24: Info item A - Contact new supplier (element definitions)

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773 **6.2 Info item B - Inform customer on validation result (class diagram)**



774

775 **Figure 46:** Class diagram: Info item B - Inform customer on validation **result**

776

777

778 **6.2.1 Info item B - Inform customer on validation result (element definitions)**

Attribute	Definition
«Business entity» Info item B - Inform customer on validation result	
Validation result	Information about the outcome of the validation step.

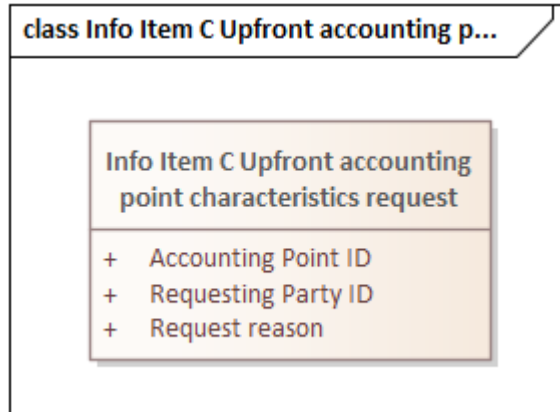
779

Table 25: Info item B - Inform customer on validation result (element definitions)

780

781

782 **6.3 Info item C – Upfront accounting point characteristics request (Class Diagram)**



783

784 **Figure 47:** Class diagram: Info item C - Upfront accounting point characteristics request

785

786 **6.3.1 Element definitions: Info item C - Upfront accounting point characteristics request**

787

Attribute	Definition
«Business entity» Info item C - Upfront accounting point characteristics request	
Accounting Point ID	The unique identification of the accounting point for which the switch of supplier is requested.
Requesting Party ID	The unique identification of the requesting party (= new supplier) that intends to supply the accounting point.
Request reason ¹	A code specifying the reason (that is switch of supplier) for the request. Note: The code values for specific attributes in the relevant information objects are not defined within this this Regulation. They will be detailed in the corresponding business standardisation documentation.

788 **Table 26:** Info item C - Upfront accounting point characteristics request (element definitions)

789

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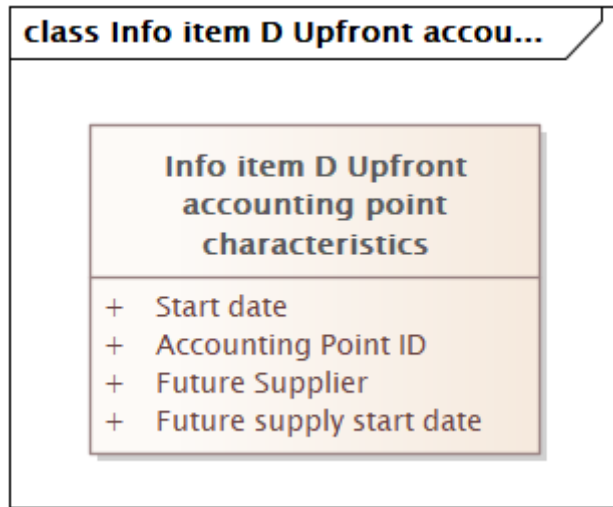
¹ In the CIM document the reason is mapped to the business process attribute in the market document class.

791 **6.3.2 Mapping of info item C to CIM profile A.1 Request Accounting Point**
792 **Characteristics Market Document**

CIM Class / Attribute	Card.	Message content
RequestAPCharacteristics_MarketDocument		
mRID	1	Unique identification of the market document
type	1	Axx Accounting Point Characteristics Request
process.processType	1	Type of process: Axx Switch of supplier
sender_MarketParticipant.mRID	1	Unique identification of the sender of the document.
sender_MarketParticipant.marketRole.type	1	A12 Energy supplier
receiver_MarketParticipant.mRID	1	Unique identification of the receiver of the document.
receiver_MarketParticipant.marketRole.type	1	A26 Metering point administrator
createdDateTime	1	Date and time for the creation of this market document.
MktActivityRecord	0..*	
mRID	1	Unique ID for this transaction (unique over time for the sender in question)
accountingPoint.mRID	1	Unique identification of the Accounting Point
validity_DateAndOrTime.date	0..1	The date for when the requested Accounting Point characteristics shall be valid.
requesting_MarketParticipant.mRID	1	Unique identification of the requesting energy supplier.
requesting_MarketParticipant.marketRole.type	1	A12 Energy Supplier

793 **Table 27:** Info item C – Mapping to CIM: Upfront accounting point characteristics request
794

795 **6.4 Info item D - Upfront accounting point characteristics (Class Diagram)**



796

797 **Figure 48:** Class diagram: Info item D - Upfront accounting point characteristics

798

799

800 **6.4.1 Info item D - Upfront accounting point characteristics (element definitions)**

Attribute	Definition
«Business entity» Info item D - Upfront accounting point characteristics	Note: This information object aims to provide – with the relevant permission – additional accounting point characteristics for the electricity supplier to be able to provide tailor-made supply contract proposals for the final customer. Note: Only a minimal set of attributes is defined; further specification of this information object is left to national implementation.
Start date	The date when the content of this set of information becomes or became valid.
Accounting point ID	The unique identification of the accounting point that this request targets.
Future Supplier	Indicates if there is a contract for a future supplier at this accounting point. (The element is Boolean - yes or no). Note: For example, a supplier can be registered for a future period, such as the following year, while a new supplier, following the request of the respective final customer, may ask for a switch for the period leading up to that point. In that scenario, the new supplier is informed, through this information object, that a ‘future supplier’ is already registered for the period starting the following year.
Future supply start date	Date on which future supply will start.

801

Table 28: Info item D - Upfront accounting point characteristics

802

803 **Note:** Only a minimal set of attributes is defined; further specification of this information
804 object is left to national implementation.

805

806 **6.4.2 Mapping of info item D to CIM profile A.2 Accounting Point Characteristics**
807 **Market Document**

CIM Class / Attribute	Card.	Message content
APCharacteristics_MarketDocument		
mRID	1	Unique identification of the Request Accounting Point Characteristics Market Document
type	1	Axy Upfront accounting point characteristics
process.processType	1	Type of process: Axx Switch of supplier
sender_MarketParticipant.mRID	1	Unique identification of the sender of the document.
sender_MarketParticipant.marketRole.type sender_MarketParticipant.marketRole.type	1	A26 Metering point administrator
receiver_MarketParticipant.mRID	1	Unique identification of the receiver of the document.
receiver_MarketParticipant.marketRole.type	1	A12 Energy supplier
createdDateTime	1	Date and time for the creation of this market document.
MktActivityRecord	1..*	
mRID	1	Unique ID for this transaction (unique over time for the sender in question)
AccountingPoint	1	
mRID	1	Unique identification of the Accounting Point
start_DateAndOrTime.date	0..1	The date when the content of this set of information becomes or became valid.
futureSupplyStart_DateAndOrTime.date	0..1	Date on which future supply will start.
futureSupplierContract «CIMExtension»	0..1	Indicates if there is a contract for a future supplier at this accounting point. (The element is Boolean - yes or no).

808 **Table 29:** Info item C – Mapping to CIM: Upfront accounting point characteristics

809
810

811 **6.5 Info item E - Request switch of supplier (Class Diagram)**



812

813 **Figure 49:** Class diagram: Info item E - Request switch of supplier

814

815 **6.5.1 Info item E - Request switch of supplier (element definitions)**

Attribute	Definition
«Business entity» Info item E - Request switch of supplier	
Start date	The date requested by the new supplier to take over the electricity supply for this accounting point. This date must be in the future.
Accounting point ID	The unique identification of the accounting point that this request targets.
New supplier ID	The unique identification of the requesting supplier.
New balance responsible party ID (optional)	The unique identification of the balance responsible party for this accounting point, as requested by the new supplier. Note: The exchange of this information is optional and not required where it is already contained in the national data exchange model.
Final customer	Information set to identify final customer.

816

Table 30: Info item E - Request switch of supplier

817

818 **6.5.2 Mapping of info item E to CIM profile A.3 Request switch of market participant**
819 **market document**

820

CIM Class / Attribute	Card.	Message content
RequestSwitchOfMarketParticipant_MarketDocument		
mRID	1	Unique identification of the market document
type	1	Axx Request switch of market participant

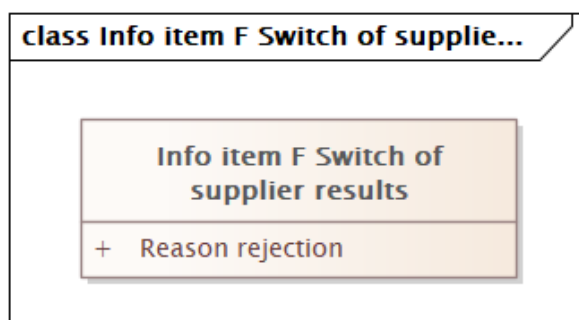
CIM Class / Attribute	Card.	Message content
process.processType	1	Type of process: Axx Switch of supplier
sender_MarketParticipant.mRID	1	Unique identification of the sender of the document.
sender_MarketParticipant.marketRole.type sender_MarketParticipant.marketRole.type	1	A12 Energy supplier
receiver_MarketParticipant.mRID	1	Unique identification of the receiver of the document.
receiver_MarketParticipant.marketRole.type	1	A26 Metering point administrator
createdDateTime	1	Date and time for the creation of this market document.
MktActivityRecord	1..*	
mRID	1	Unique ID for this transaction (unique over time for the sender in question)
start_DateAndOrTime.date	1	The date requested by the requesting energy supplier to switch one or more market participants for related accounting point(s).
AccountingPoint	1..*	
mRID	1..*	The unique identification of the accounting point that this request targets.
AccountingPoint_MarketParticipant (first repetition)	1	1 st repetition
mRID	1	Unique identification of new supplier
marketRole.type	1	Role type: A12 Energy supplier
AccountingPoint_MarketParticipant (second repetition)	0..1	2 nd repetition
mRID	1	Unique identification of new balance responsible party
marketRole.type	1	Role type: A08 Balance responsible party
CustomerAgreement	0..*	
mRID	0..1	The identification of the final customer agreement.
type	0..1	The type of customer agreement
signDate	0..1	The date when the final customer agreement was signed
Customer	1	Note: Either an organisation or one or more persons must be identified

CIM Class / Attribute	Card.	Message content
		Which attributes to use for identification of the organisation or person(s) are dependent on national rules.
organisation.mRID	0..1	The identification of the final customer Note: Only used if the final customer is an organisation.
organisation.name	0..1	The name of the final customer Note: Only used if the final customer is an organisation.
Person	0..*	Note: Only used if the final customer is one of more person(s).
mRID	0..1	The identification of the final customer
name	0..1	The name of the final customer
firstName	0..1	The first name of the final customer
middleName	0..1	The middle name of the final customer
lastName	0..1	The last name of the final customer
prefix	0..1	A prefix or title for the person's name, such as Miss, Mister, Doctor, etc.
birthDate	0..1	The date of birth of the final customer

821 **Table 31:** Info item E – Mapping to CIM: Upfront accounting point characteristics

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824 **6.6 Info item F - Switch of supplier results (Class Diagram)**



825

826 **Figure 50:** Class diagram: Info item F - Switch of supplier results

827

828 **6.6.1 Info item F - Switch of supplier results (element definitions)**

Attribute	Definition
«Business entity» Info item F - Switch of supplier results	
Reason rejection	{if rejected} A code specifying the reason(s) for the rejection of the requested switch of supplier. Note: The code values for specific attributes in the relevant information objects are not defined within this this Regulation. They will be detailed in the corresponding business standardisation documentation.

829

Table 32: Info item F - Switch of supplier results

830

831 **6.6.2 Mapping of info item F to CIM profile A.4, Response request switch of market participant market document**

832

833 Below is shown the subset of classes and attributes used in the context of notifying switch of
834 supplier results to the requesting market participant (energy supplier), see appendix “A.4,
835 Response request switch of market participant market document” for the complete description
836 of the document.

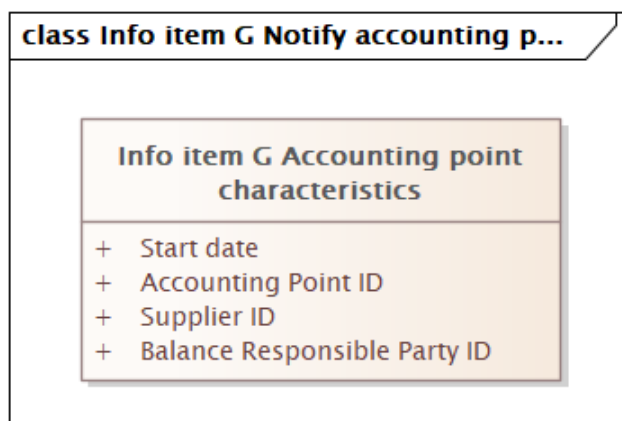
CIM Class / Attribute	Card.	Message content
ResponseToSwitchOfMarketParticipant_MarketDocument		
mRID	1	Unique identification of the market document
type	1	Axx Response to request switch of market participant
process.processType	1	Type of process: Axx Switch of supplier
sender_MarketParticipant.mRID	1	Unique identification of the sender of the document.

CIM Class / Attribute	Card.	Message content
sender_MarketParticipant.marketRole.type sender_MarketParticipant.marketRole.type	1	A26 Metering point administrator
receiver_MarketParticipant.mRID	1	Unique identification of the receiver of the document.
receiver_MarketParticipant.marketRole.type	1	A12 Energy supplier
createdDateTime	1	Date and time for the creation of this market document.
MktActivityRecord	1..*	
mRID	1	Unique ID for this transaction (unique over time for the sender in question)
originalTransactionIDReference_ MktActivityRecord.mRID	1	The Transaction ID from the request given by the requesting Energy Supplier.
reason	1	Response reason: A01 Message fully accepted A02 Message fully rejected
start_DateAndOrTime.date	1	The date requested by the requesting party to switch one or more market participants for related accounting point(s).
AccountingPoint	1..*	
mRID	1..*	The unique identification of the accounting point that this request targets.
AccountingPoint_MarketParticipant	1..*	
mRID	1	Unique identification of a market participant linked to this accounting point.
marketRole.type	1	A12 Energy supplier
Reject_Reason	0..*	Note: Shall be used if rejection
code	1	A code specifying the reason for a rejection, such as: 999 Errors not specifically identified A23 Area invalid A53 Receiving party incorrect A59 Not compliant to local market rules
text	0..1	A textual explanation of the reason for rejection.

Table 33: Info item F - Switch of supplier results

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840 **6.7 Info item G - Notify accounting point characteristics to entitled parties and**
841 **affected parties (Class Diagram)**



842
843 **Figure 51:** Class diagram: Info item G - Notify accounting point characteristics to entitled
844 parties and affected parties
845

846 **6.7.1 Info item G - Notify accounting point characteristics to entitled parties and**
847 **affected parties (element definitions)**

Attribute	
«Business entity» Info item G - Notify accounting point characteristics to entitled parties and affected parties	Note: Only a minimal set of attributes is defined; further specification of this information object is left to national implementation.
Start date	The date from when the new supplier and balance responsible party assume their roles (i.e. start the supply or balance responsibility, respectively) for this accounting point.
Accounting Point ID	The unique identification of the accounting point for which the switch of supplier is confirmed.
Supplier ID	The unique identification of the supplier that is supplying the accounting point from the start date.
Balance responsible party ID	The unique identification of the balance responsible party that assumes balance responsibility from the start date for this accounting point.

848 **Table 34:** Info item G - Notify accounting point characteristics to entitled parties and affected
849 parties
850

851 **6.7.2 Mapping of info item G to CIM profile A.2 Accounting Point Characteristics**
852 **Market Document**

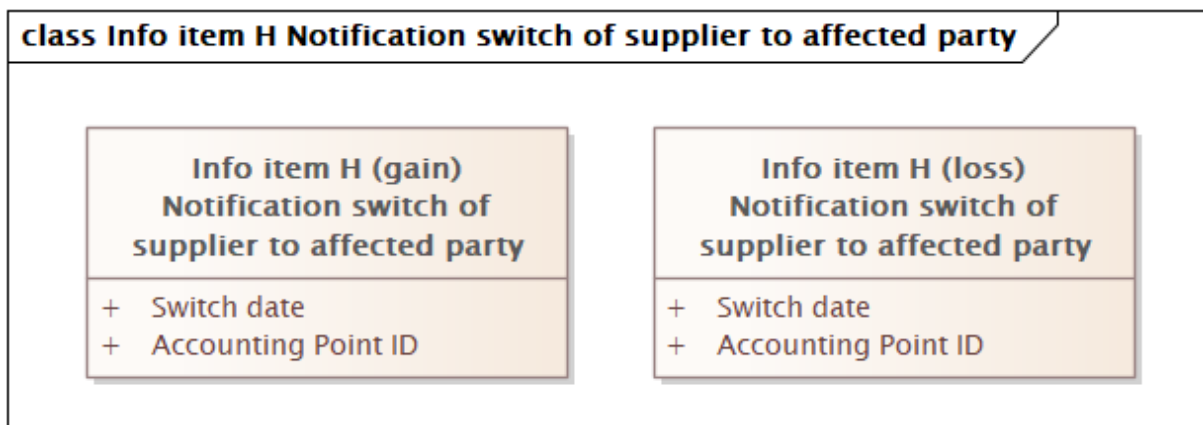
853 Below is shown the subset of classes and attributes used in the context of notifying
854 accounting point characteristics to entitled parties and affected parties, see appendix “A.2
855 Accounting Point Characteristics Market Document” for the complete description of the
856 document.

CIM Class / Attribute	Card.	Message content
APCharacteristics_MarketDocument		
mRID	1	Unique identification of the market document
type	1	Axx Accounting point characteristics
process.processType	1	Type of process: Axx Switch of supplier
sender_MarketParticipant.mRID	1	Unique identification of the sender of the document.
sender_MarketParticipant.marketRole.type sender_MarketParticipant.marketRole.type	1	A26 Metering point administrator
receiver_MarketParticipant.mRID	1	Unique identification of the receiver of the document.
receiver_MarketParticipant.marketRole.type	1	The receiver can be any entitled or affected party, such as: A08 Balance responsible party A12 Energy supplier A17 Grid access provider A25 Metered data responsible A45 Energy Service Company (ESCO)
createdDateTime	1	Date and time for the creation of this market document.
MktActivityRecord	1..*	
mRID	1	Unique ID for this transaction (unique over time for the sender in question)
AccountingPoint	1	
mRID	1	Unique identification of the Accounting Point
start_DateAndOrTime.date	0..1	The date when the content of this set of information becomes or became valid.
AccountingPoint_MarketParticipant	0..*	
mRID	1	Unique identification of the market participant in question.
marketRole.type	1	Role type: A08 Balance responsible party A12 Energy supplier

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Table 35: Info item G - Notify accounting point characteristics to entitled parties and affected parties

860 **6.8 Info item H – Notification switch of supplier to affected party (Class Diagram)**



861
862 **Figure 52:** Class diagram: Info item H - Notification switch of supplier to affected party
863

864 **6.8.1 Info item H - Notification switch of supplier to affected party (element**
865 **definitions)**

Attribute	
«Business entity» Info item H - Notification switch of supplier to affected party	Two versions (LOSS/ GAIN) of this information object exist based on the role of the receiving party (current/ new affected party).
Switch date	The date when the present affected party relinquishes supply or balance responsibility (LOSS) for this accounting point, or the date when the new affected party assumes responsibility (GAIN) for this accounting point.
Accounting point ID	The unique identification of the accounting point for which the switch of supplier is notified.

866 **Table 36:** Info item H - Notification switch of supplier to affected party
867

868 **6.8.2 Mapping of info item H to CIM profile A.5 Notify switch of market participant to**
869 **affected party market document**

870 Below is shown the subset of classes and attributes used in the context of notifying switch of
871 supplier to affected party, see appendix “A.5 Notify switch of market participant to affected
872 party market document” for the complete description of the document.

CIM Class / Attribute	Card.	Message content
ResponseSwitchSwitchOfMarketParticipant_MarketDocument		
mRID	1	Unique identification of the market document
type	1	Axx Notify switch of supplier to affected party
process.processType	1	Type of process: Axx Switch of supplier

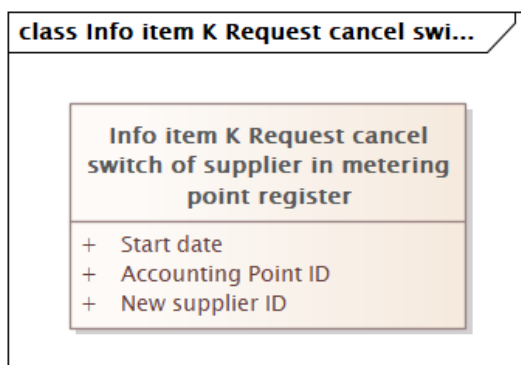
CIM Class / Attribute	Card.	Message content
sender_MarketParticipant.mRID	1	Unique identification of the sender of the document.
sender_MarketParticipant.marketRole.type sender_MarketParticipant.marketRole.type	1	A26 Metering point administrator
receiver_MarketParticipant.mRID	1	Unique identification of the receiver of the document.
receiver_MarketParticipant.marketRole.type	1	A12 Energy supplier A08 Balance responsible party A25 Metered data responsible A45 Energy Service Company (ESCO)
createdDateTime	1	Date and time for the creation of this market document.
MktActivityRecord	1..*	
mRID	1	Unique ID for this transaction (unique over time for the sender in question)
reason	1	Reason, such as: Axx Gain of registration at accounting point Axy Loss of registration at accounting point
start_DateAndOrTime.date	0..1	The date when the new supplier is linked to the accounting point. Required for gain of registration at accounting point
end_DateAndOrTime.date	0..1	The date when the present energy supplier no longer is linked to this accounting point. Required for loss of registration at accounting point.
AccountingPoint	1..*	
mRID	1..*	The unique identification of the accounting point that this response targets.

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Table 37: Info item H - Notification switch of supplier to affected party

876 **6.9 Info item K – Request cancel switch of supplier in metering point register (Class**
877 **Diagram)**



878
879 **Figure 53:** Class diagram: Info item K - Request cancel switch of supplier in metering point
880 register
881

882 **6.9.1 Info item K - Request cancel switch of supplier in metering point register**
883 **(element definitions)**

Attribute	
«Business entity» Info item K - Request cancel switch of supplier in metering point register	
Start date	The date when the new supplier was to take over the electricity supply for this accounting point. This date must be in the future.
Accounting point ID	The unique identification of the accounting point that the request switch of supplier targets.
New supplier ID	The unique identification of the requesting supplier.

884 **Table 38:** Info item K - Request cancel switch of supplier in metering point register
885

886 **6.9.2 Mapping of info item K to CIM profile A.6 Request cancel switch of market**
887 **participant market document**

888 Below is shown the subset of classes and attributes used in the context of requesting
889 cancellation of switch of supplier, see appendix “A.6 Request cancel switch of market
890 participant market document” for the complete description of the document.

CIM Class / Attribute	Card.	Message content
RequestCancelSwitchOfMarketParticipant _ MarketDocument		
mRID	1	Unique identification of the market document
type	1	Axx Request cancel switch of market participant

CIM Class / Attribute	Card.	Message content
process.processType	1	Type of process: Axx Switch of supplier
sender_MarketParticipant.mRID	1	Unique identification of the sender of the document.
sender_MarketParticipant.marketRole.type sender_MarketParticipant.marketRole.type	1	A12 Energy supplier
receiver_MarketParticipant.mRID	1	Unique identification of the receiver of the document.
receiver_MarketParticipant.marketRole.type	1	A26 Metering point administrator
createdDateTime	1	Date and time for the creation of this market document.
MktActivityRecord	1..*	
mRID	1	Unique ID for this transaction (unique over time for the sender in question)
start_DateAndOrTime.date	0..1	The date when the new supplier is assumed to be linked to this accounting point. Note: This date must be in the future.
AccountingPoint	1..*	
mRID	1..*	The unique identification of the accounting point that this response targets.

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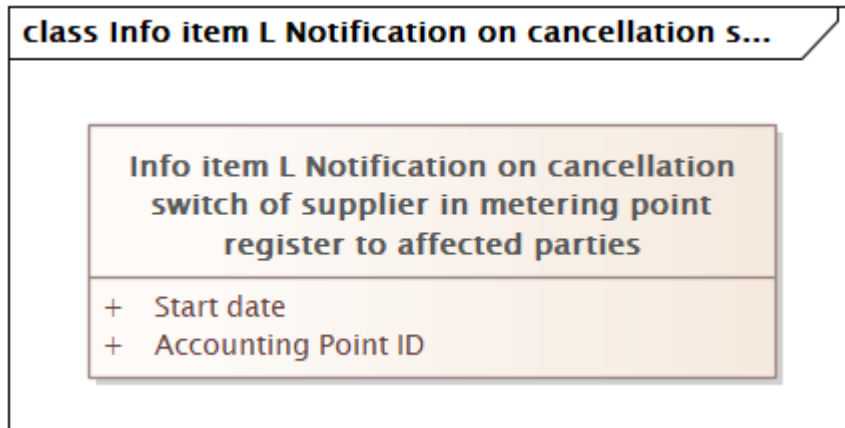
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Table 39: Info item K – Request cancel switch of supplier market document

896 **6.10 Info item L – Notification on cancellation switch of supplier in metering point**
897 **register to affected parties (Class Diagram)**



898

899 **Figure 54:** Class diagram: Info item L – Notification on cancellation switch of supplier in
900 metering point register to affected parties

901

902 **6.10.1 Info item L – Notification on cancellation switch of supplier in metering point**
903 **register to affected parties (element definitions)**

Attribute	
«Business entity» Info item L – Notification on cancellation switch of supplier in metering point register to affected parties	Two versions (LOSS/ GAIN) of this information object exist based on the role of the receiving party (current/new affected party).
Start date	The date when the new supplier was to assume supply for the accounting point.
Accounting point ID	The unique identification of the accounting point for which the switch of supplier is notified.

904 **Table 40:** Info item L – Notification on cancellation switch of supplier in metering point
905 register to affected parties

906

907 **6.10.2 Mapping of info item L to CIM profile A.7 Notify cancel switch of market**
908 **participant to affected party market document**

909 Below is shown the subset of classes and attributes used in the context of notifying a
910 cancellation of a switch of supplier to affected party, see appendix “A.7 Notify cancel switch of
911 market participant to affected party market document” for the complete description of the
912 document.

CIM Class / Attribute	Card.	Message content
NotifyCancelSwitchOfMarketParticipantToAffectedParty_ MarketDocument		
mRID	1	Unique identification of the market document

CIM Class / Attribute	Card.	Message content
type	1	Axx Notify cancellation of switch of market participant
process.processType	1	Type of process: Axx Switch of supplier
sender_MarketParticipant.mRID	1	Unique identification of the sender of the document.
sender_MarketParticipant.marketRole.type sender_MarketParticipant.marketRole.type	1	A26 Metering point administrator
receiver_MarketParticipant.mRID	1	Unique identification of the receiver of the document.
receiver_MarketParticipant.marketRole.type	1	A12 Energy supplier A08 Balance responsible party A25 Metered data responsible A45 Energy Service Company (ESCO)
createdDateTime	1	Date and time for the creation of this market document.
MktActivityRecord	1..*	
mRID	1	Unique ID for this transaction (unique over time for the sender in question)
start_DateAndOrTime.date	0..1	The date when the new supplier was assumed to be linked to the accounting point.
end_DateAndOrTime.date	0..1	The date when the present energy supplier was assumed no longer to be linked (LOSS) to this accounting point.
AccountingPoint	1..*	
mRID	1..*	The unique identification of the accounting point that this response targets.

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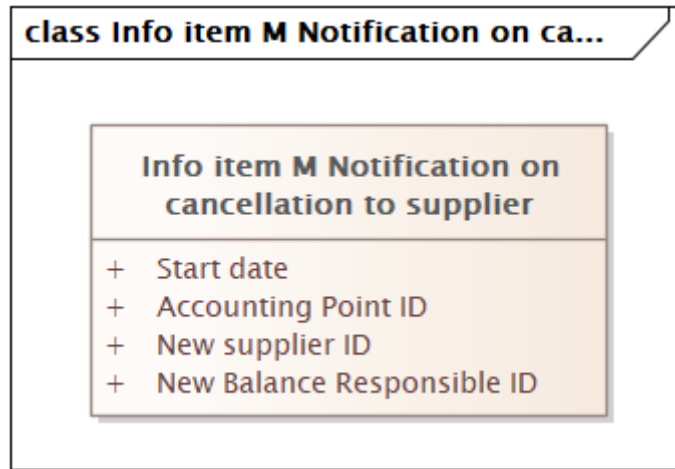
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Table 41: Info item L – Notification on cancellation switch of supplier in metering point register to affected parties

917 **6.11 Info item M – Response request cancel switch of supplier in metering point**
918 **register (Class Diagram)**



919

920 **Figure 55:** Class diagram: Info item M – Response request cancel switch of supplier in
921 metering point register
922

923 **6.11.1 Info item M – Response request cancel switch of supplier in metering point**
924 **register (element definitions)**

Attribute	
«Business entity» Info item M – Response request cancel switch of supplier in metering point register	
Start date	The date when the new supplier was to assume supply for this accounting point. Note: This date must be in the future.
Accounting point ID	The unique identification of the accounting point that this request switch of supplier targets.
New supplier ID	The unique identification of the requesting supplier.
New balance responsible party ID (optional)	The unique identification of the balance responsible party for this accounting point, as requested by the new supplier. Note: The exchange of this information is optional and not required where it is already contained in the national data exchange model.

925 **Table 42:** Info item M – Response request cancel switch of supplier in metering point register
926

927 **6.11.2 Mapping of info item M to CIM profile A.8 Response request cancel switch of**
928 **market participant market document**

929 Below is shown the subset of classes and attributes used in the context of sending a
930 response to a requesting for cancellation of switch of supplier, see appendix “A.8, Response
931 request cancel switch of market participant market document” for the complete description of
932 the document.

CIM Class / Attribute	Card.	Message content
ResponseRequestCancelSwitchOfMarketParticipant_MarketDocument		
mRID	1	Unique identification of the market document
type	1	Axx Response to request for cancelling a switch of market participant
process.processType	1	Type of process: Axx Switch of supplier
sender_MarketParticipant.mRID	1	Unique identification of the sender of the document.
sender_MarketParticipant.marketRole.type sender_MarketParticipant.marketRole.type	1	A26 Metering point administrator
receiver_MarketParticipant.mRID	1	Unique identification of the receiver of the document.
receiver_MarketParticipant.marketRole.type	1	A12 Energy supplier
createdDateTime	1	Date and time for the creation of this market document.
MktActivityRecord	1..*	
mRID	1	Unique ID for this transaction (unique over time for the sender in question)
reason	0..1	Response reason: A01 Message fully accepted A02 Message fully rejected
start_DateAndOrTime.date	0..1	The date when the new market new supplier was assumed to be linked (GAIN) to this accounting point.
AccountingPoint	1..*	
mRID	1..*	The unique identification of the accounting point that this response targets.
AccountingPoint_MarketParticipant	1	First repetition.
mRID	1	Unique identification new supplier.
marketRole.type	0..*	A12 Energy supplier
AccountingPoint_MarketParticipant	0..1	Second repetition
mRID	1	Unique identification of the new balance responsible party.
marketRole.type	0..*	A08 Balance responsible party

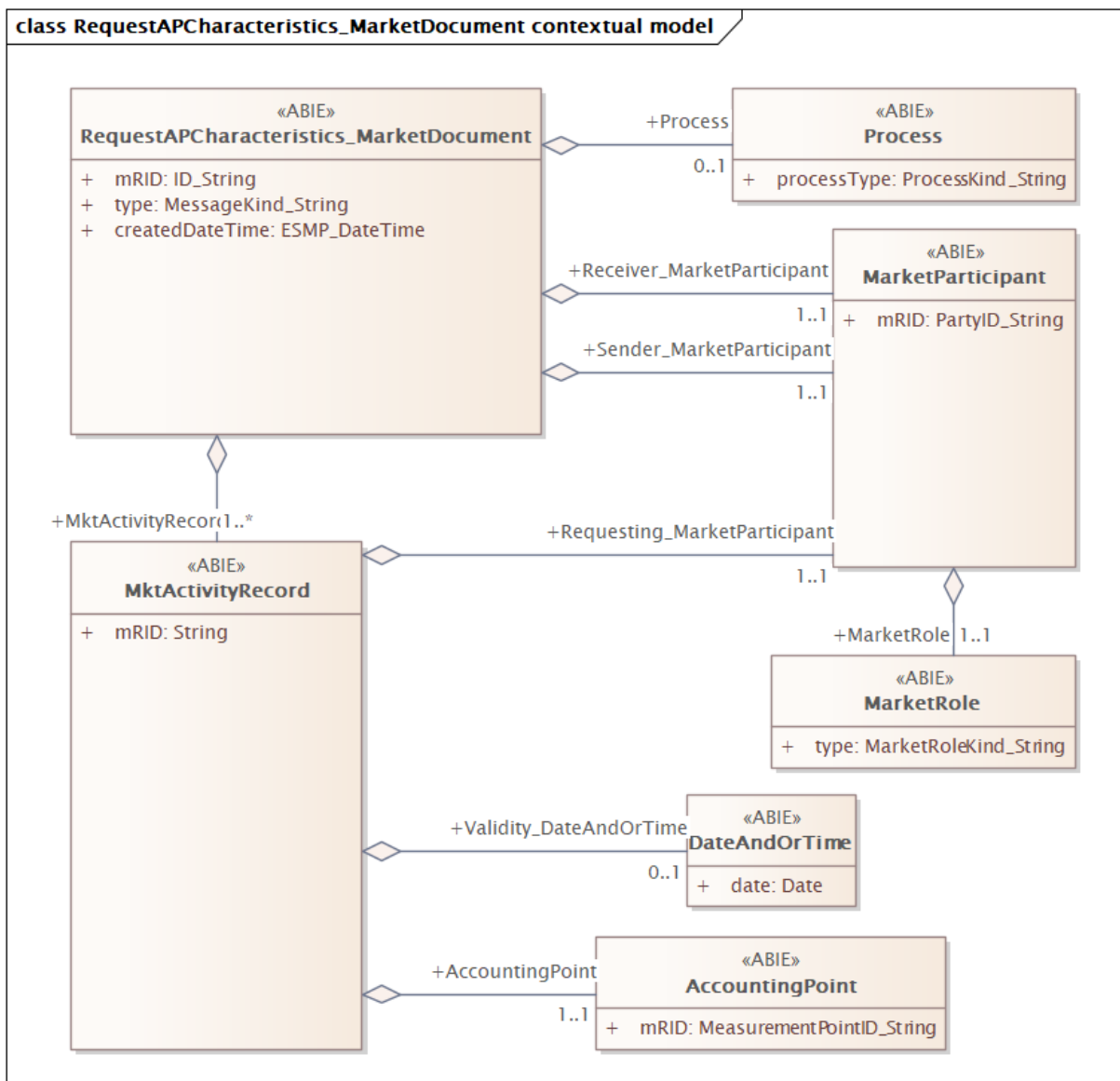
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Table 43: Info item M – Response request cancel switch of supplier market document

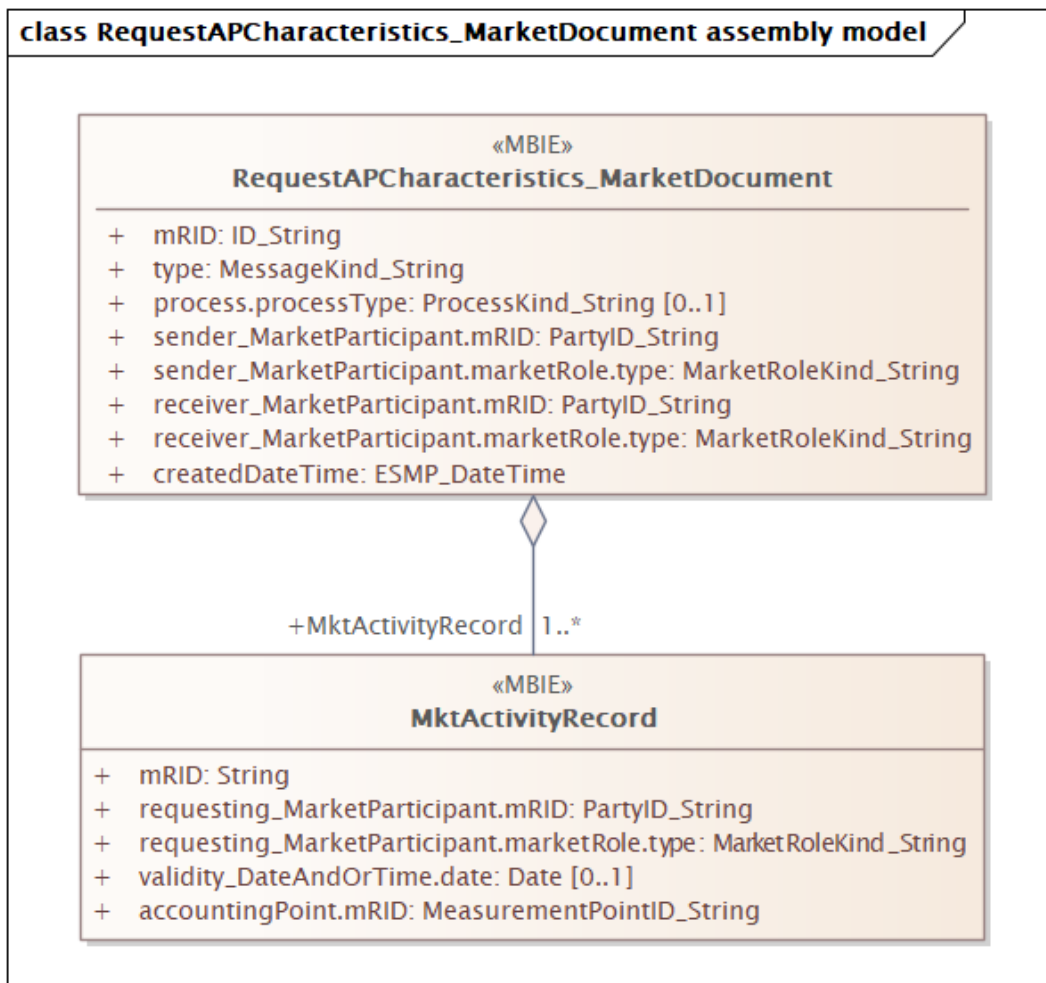
935 **Annex A CIM Profiles**

936 **A.1 Request Accounting Point Characteristics Market Document**



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Figure 56: Class diagram: Request Accounting Point Characteristics Market Document contextual model



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Figure 57: Class diagram: Request Accounting Point Characteristics Market Document assembly model

CIM Class / Attribute	Card.	Message content
RequestAPCharacteristics_MarketDocument		
mRID	1	Unique identification of the market document
type	1	Axx Accounting Point Characteristics Request
process.processType	1	Type of process: Axx Switch of supplier
sender_MarketParticipant.mRID	1	Unique identification of the sender of the document.
sender_MarketParticipant.marketRole.type	1	A12 Energy supplier
receiver_MarketParticipant.mRID	1	Unique identification of the receiver of the document.
receiver_MarketParticipant.marketRole.type	1	A26 Metering point administrator

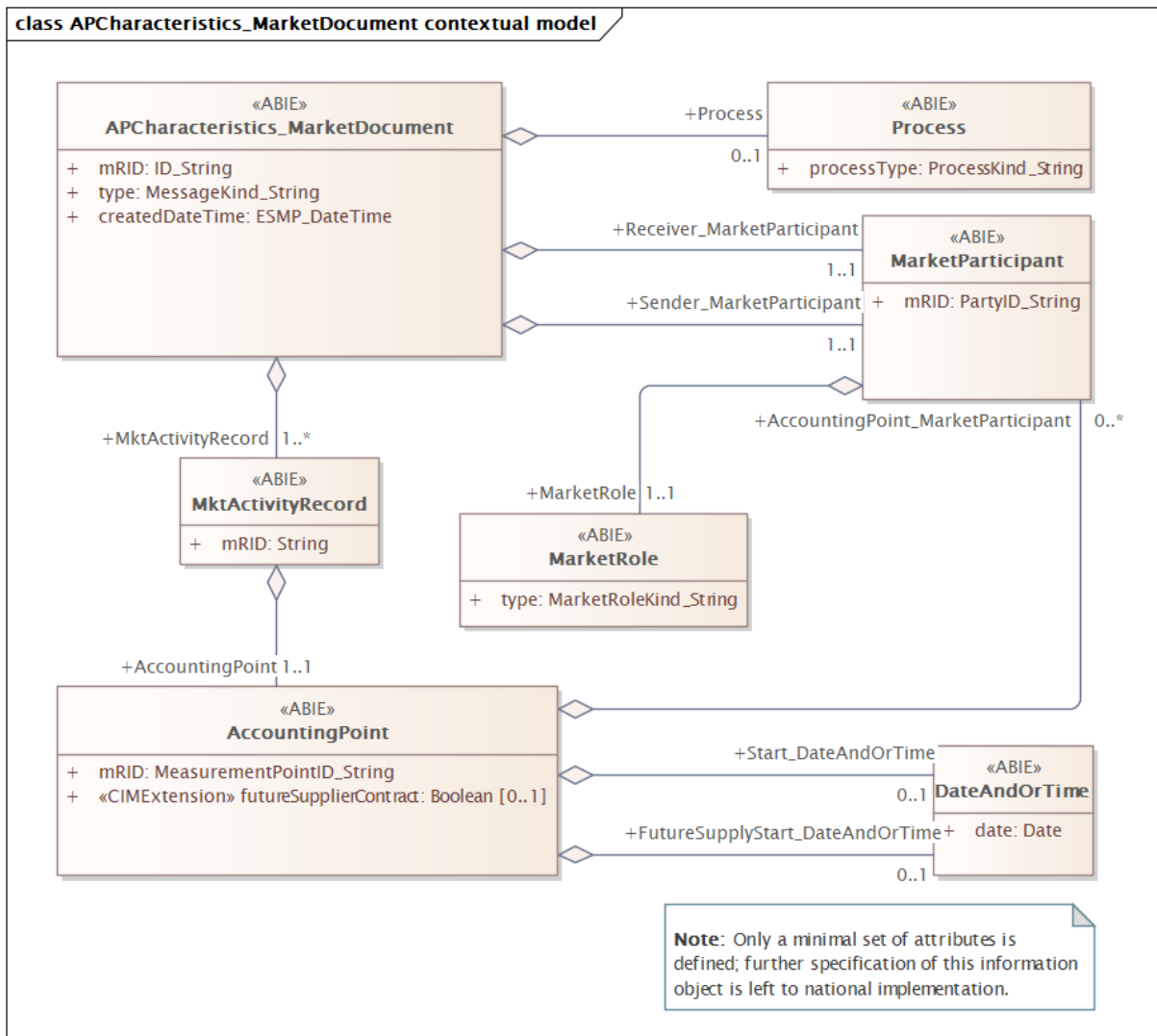
CIM Class / Attribute	Card.	Message content
createdDateTime	1	Date and time for the creation of this market document.
MktActivityRecord	1..*	
mRID	1	Unique ID for this transaction (unique over time for the sender in question)
accountingPoint.mRID	1	Unique identification of the Accounting Point
validity_DateAndOrTime.date	0..1	The date for when the requested Accounting Point characteristics shall be valid.
requesting_MarketParticipant.mRID	1	Unique identification of the requesting market participant.
requesting_MarketParticipant.marketRole.type	1	A12 Energy Supplier

Table 44: Request Accounting Point Characteristics Market Document

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949 **A.2 Accounting Point Characteristics Market Document**

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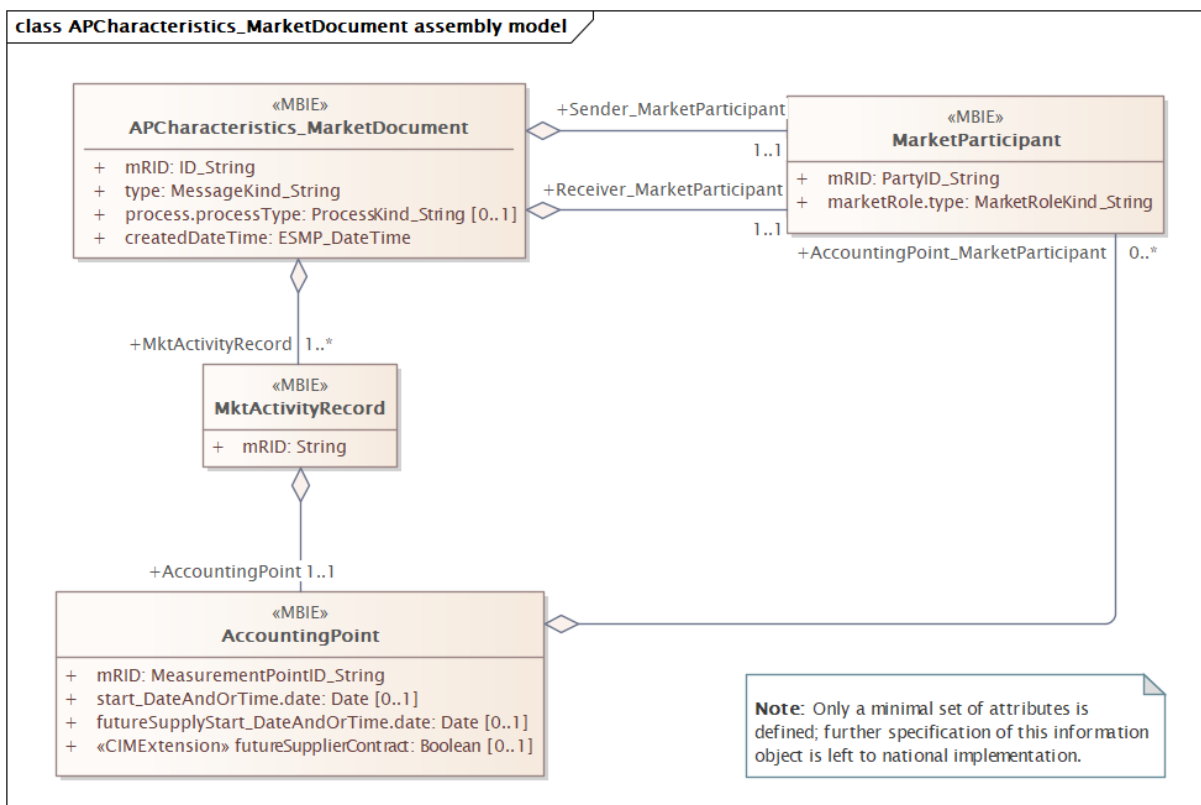


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953 **Figure 58** Class diagram: Accounting Point Characteristics Market Document contextual
954 model

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957 **Figure 59** Class diagram: Accounting Point Characteristics Market Document assembly model
958

CIM Class / Attribute	Card.	Message content
APCharacteristics_MarketDocument		
mRID	1	Unique identification of the market document
type	1	Axx Accounting point characteristics Axy Upfront accounting point characteristics
process.processType	1	Type of process: Axx Switch of supplier
sender_MarketParticipant.mRID	1	Unique identification of the sender of the document.
sender_MarketParticipant.marketRole.type	1	A26 Metering point administrator
receiver_MarketParticipant.mRID	1	Unique identification of the receiver of the document.
receiver_MarketParticipant.marketRole.type	1	A12 Energy supplier
createdDateTime	1	Date and time for the creation of this market document.
MktActivityRecord	1..*	

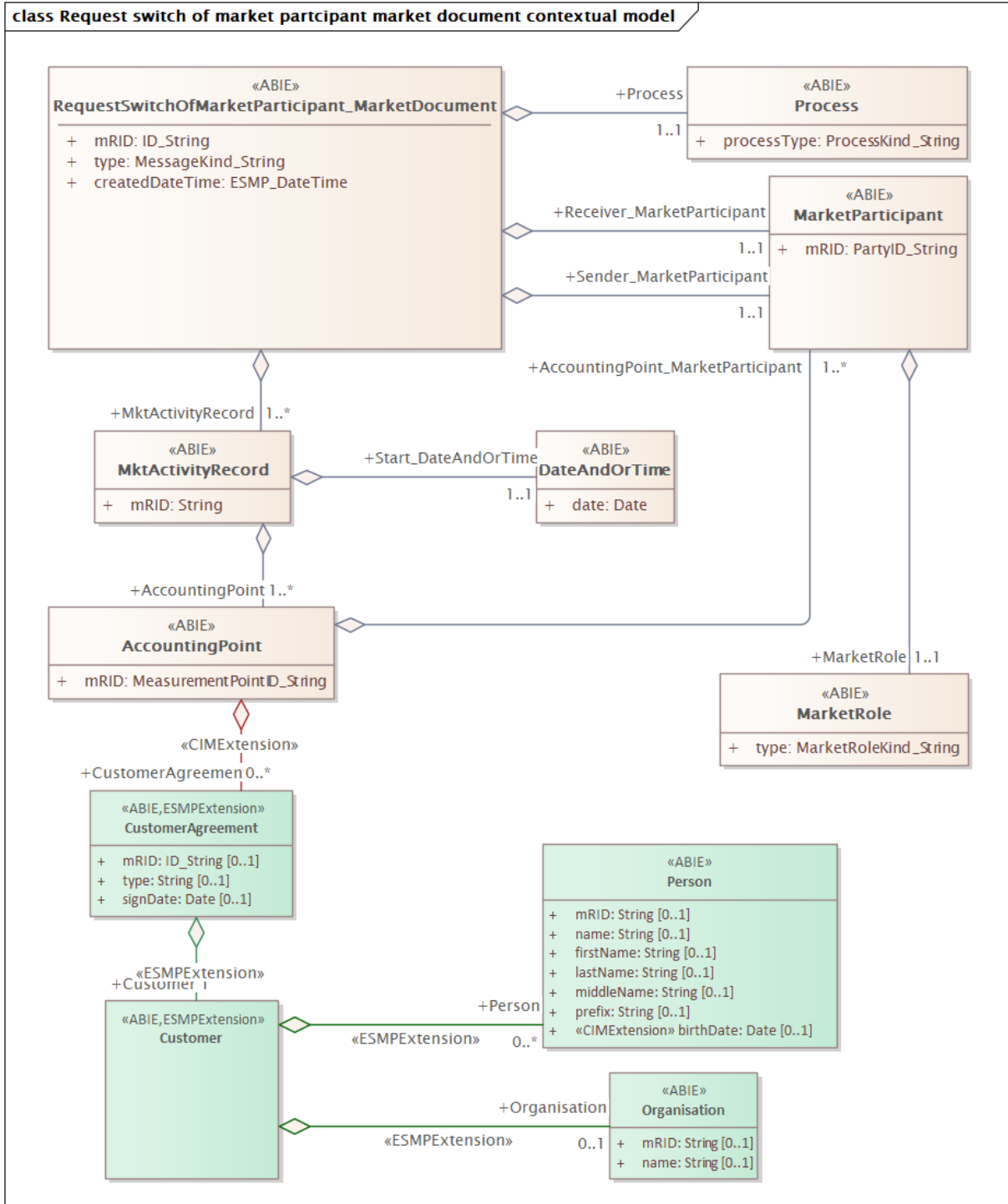
CIM Class / Attribute	Card.	Message content
mRID	1	Unique ID for this transaction (unique over time for the sender in question)
AccountingPoint	1	
mRID	1	Unique identification of the Accounting Point
start_DateAndOrTime.date	0..1	The date when the content of this set of information becomes or became valid.
futureSupplyStart_DateAndOrTime.date	0..1	Date on which future supply will start.
futureSupplierContract «CIMExtension»	0..1	Indicates if there is a contract for a future supplier at this accounting point. (The element is Boolean - yes or no).
AccountingPoint_MarketParticipant	1..*	
mRID	1	Unique identification of the market participant in question.
marketRole.type	1	Role type: A08 Balance responsible party A12 Energy supplier

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Table 45: Accounting Point Characteristics Market Document

963 **A.3 Request switch of market participant market document**

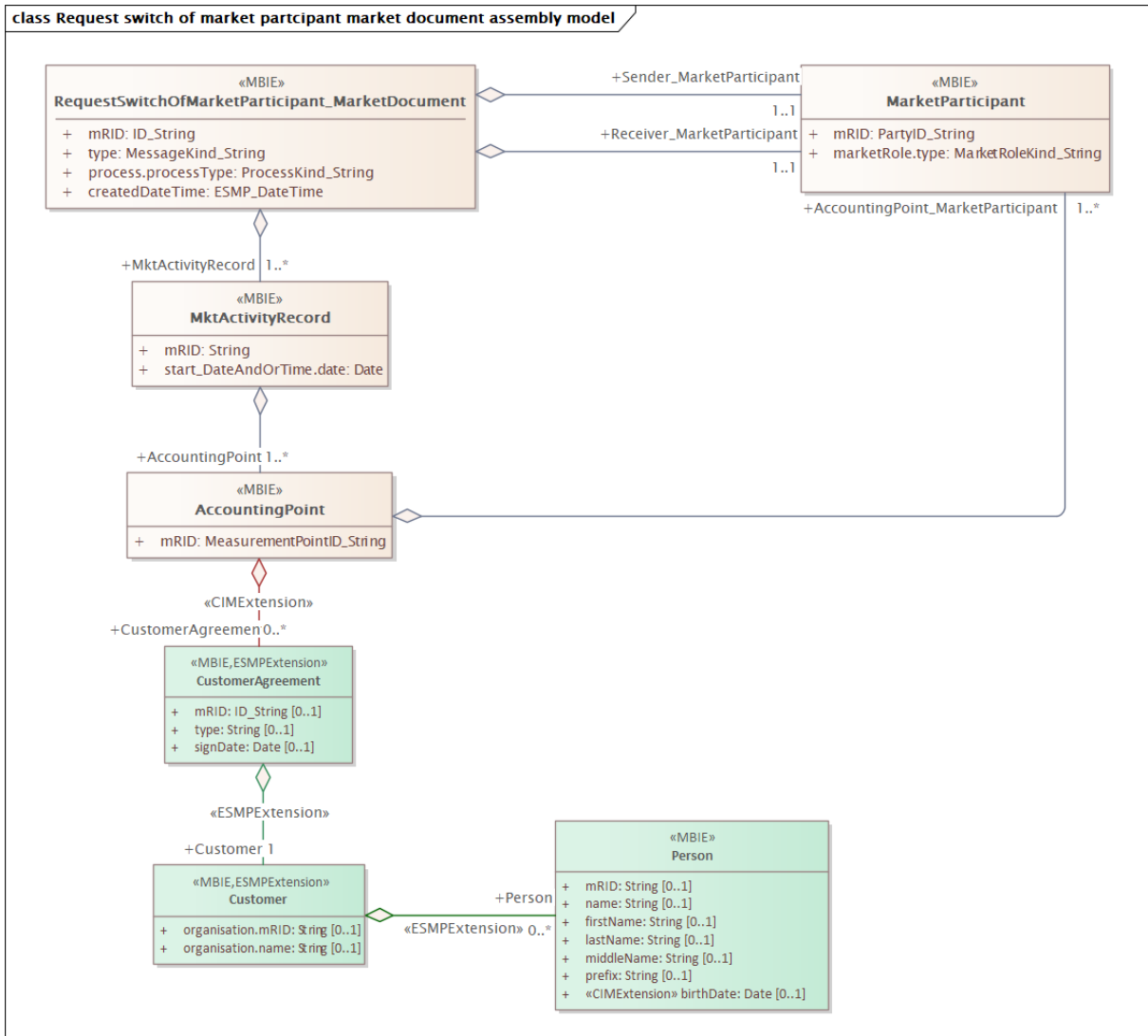
964 This is a generic document to be used for
965 all kind of switch of market participant processes, such as switch of Balance Responsible
966 Party, Metered Data Collector or Metered Data Responsible, in the European energy industry.
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Figure 60 Class diagram: Request switch of market participant market document contextual model

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Figure 61 Class diagram: Request switch of market participant market document assembly model

CIM Class / Attribute	Card.	Message content
RequestSwitchOfMarketParticipant_MarketDocument		
mRID	1	Unique identification of the market document
type	1	Axx Request switch of market participant
process.processType	1	Type of process: Axx Switch of supplier
sender_MarketParticipant.mRID	1	Unique identification of the sender of the document.

CIM Class / Attribute	Card.	Message content
sender_MarketParticipant.marketRole.type	1	A12 Energy supplier
receiver_MarketParticipant.mRID	1	Unique identification of the receiver of the document.
receiver_MarketParticipant.marketRole.type	1	A26 Metering point administrator
createdDateTime	1	Date and time for the creation of this market document.
MktActivityRecord	1..*	
mRID	1	Unique ID for this transaction (unique over time for the sender in question)
start_DateAndOrTime.date	1	The date requested by the requesting market party (new market party) to be linked to the accounting point.
AccountingPoint	1..*	
mRID	1..*	The unique identification of the accounting point that this request targets.
AccountingPoint_MarketParticipant	1..*	
mRID	1	Unique identification of relevant market participants linked to the accounting point
type	1	Role type: A08 Balance responsible party A12 Energy supplier
CustomerAgreement	0..*	
mRID	0..1	The identification of the final customer agreement.
type	0..1	The type of customer agreement
signDate	0..1	The date when the final customer agreement was signed
Customer	1	
organisation.mRID	0..1	The identification of the final customer Note: Only used if the final customer is an organisation.
organisation.name	0..1	The name of the final customer Note: Only used if the final customer is an organisation.
Person	0..*	Note: Only used if the final customer is one of more person(s).
mRID	0..1	The identification of the final customer
name	0..1	The name of the final customer

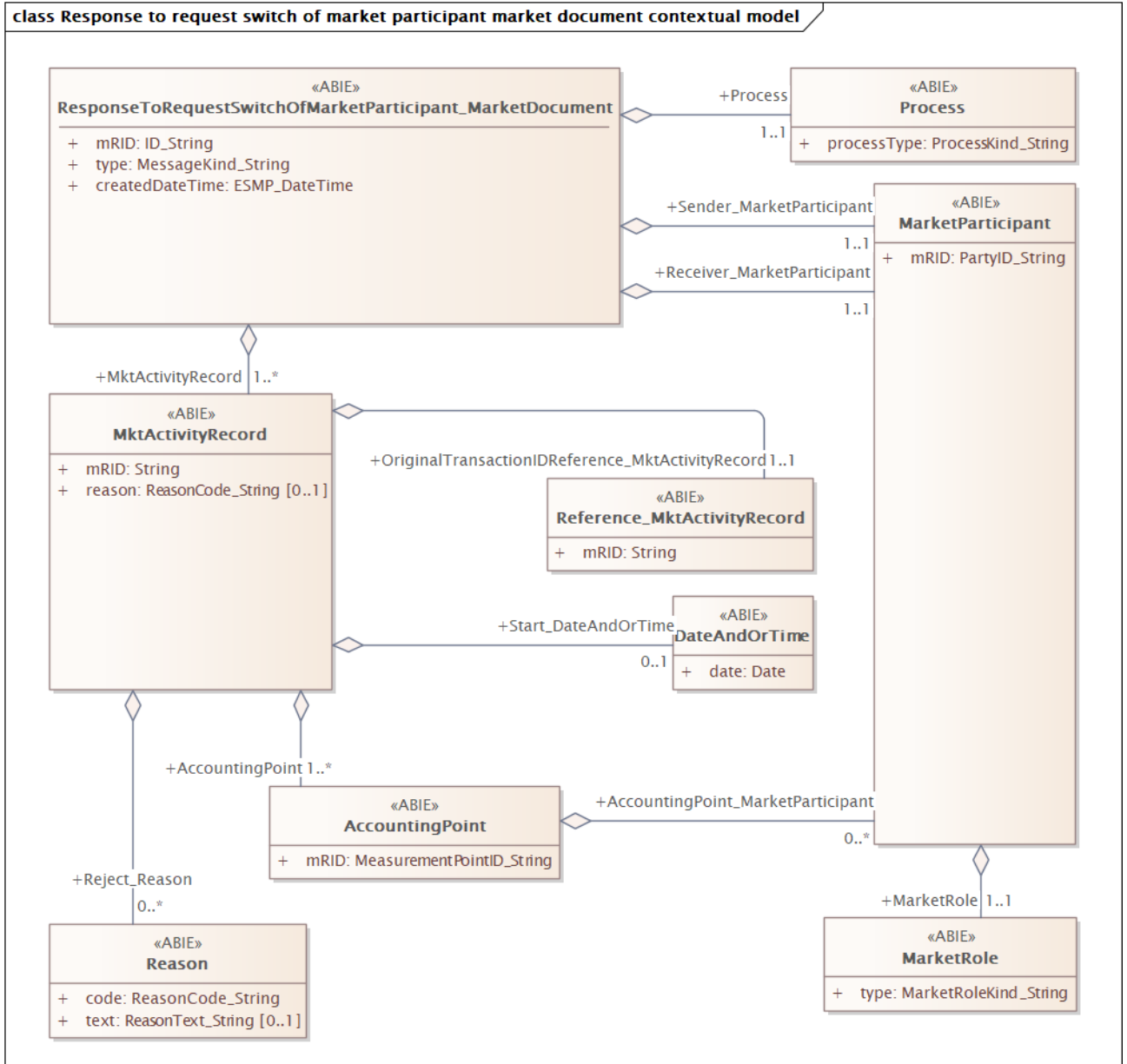
CIM Class / Attribute	Card.	Message content
firstName	0..1	The first name of the final customer
middleName	0..1	The middle name of the final customer
lastName	0..1	The last name of the final customer
birthDate	0..1	The date of birth of the final customer

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Table 46: Request swich of market participant market document

981 **A.4 Response request switch of market participant market document**

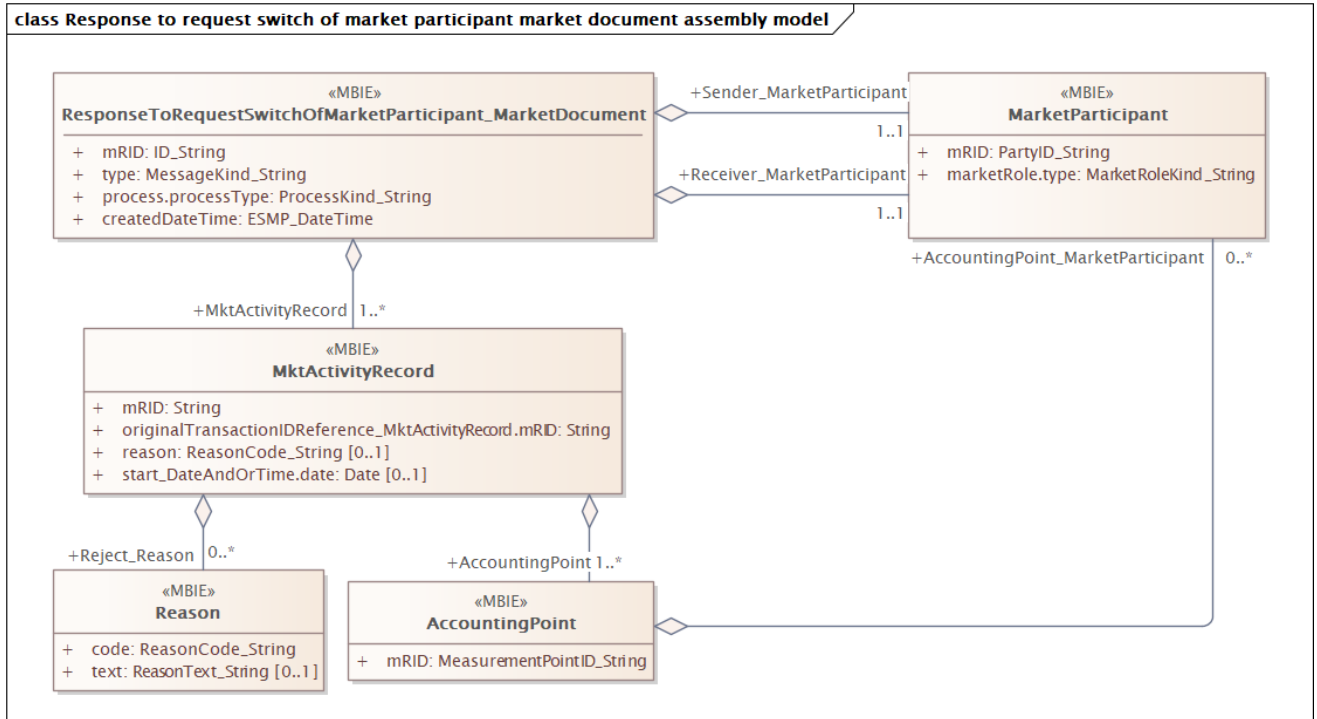
982 This is a generic document to be used for response to all kind of request for switch of market
983 participant processes, such as switch of Balance Responsible Party, switch of Metered Data
984 Collector or switch of Metered Data Responsible, in the European energy industry.
985



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987 **Figure 62** Class diagram: Response request switch of market participant market document
988 contextual model

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Figure 63 Class diagram: Response to request switch of market participant market document assembly model

CIM Class / Attribute	Card.	Message content
ResponseSwitchSwitchOfMarketParticipant_MarketDocument		
mRID	1	Unique identification of the market document
type	1	Axx Response to request switch of market participant
process.processType	1	Type of process: Axx Switch of supplier
sender_MarketParticipant.mRID	1	Unique identification of the sender of the document.
sender_MarketParticipant.marketRole.type	1	A26 Metering point administrator
receiver_MarketParticipant.mRID	1	Unique identification of the receiver of the document.
receiver_MarketParticipant.marketRole.type	1	A12 Energy supplier
createdDateTime	1	Date and time for the creation of this market document.
MktActivityRecord	1..*	
mRID	1	Unique ID for this transaction (unique over time for the sender in question)

CIM Class / Attribute	Card.	Message content
originalTransactionIDReference_ MktActivityRecord.mRID	1	The Transaction ID from the request given by the requesting market participant,
reason	0..1	Response reason: A01 Message fully accepted A02 Message fully rejected
start_DateAndOrTime.date	0..1	The date when the requesting market party (new market party) is linked to the accounting point.
AccountingPoint	1..*	
mRID	1..*	The unique identification of the accounting point that this response targets.
AccountingPoint_MarketParticipant	1..*	
mRID	1	Unique identification of a market participant linked to this accounting point.
marketRole.type	0..*	Use role code from the ESMP code list, such as: A08 Balance responsible party A12 Energy supplier A26 Metering point administrator
Reject_Reason	0..*	Note: Shall be used if rejection
code	1	A code specifying the reason for a rejection, such as: 999 Errors not specifically identified A23 Area invalid A53 Receiving party incorrect A59 Not compliant to local market rules
text	0..1	A textual explanation of the reason for rejection.

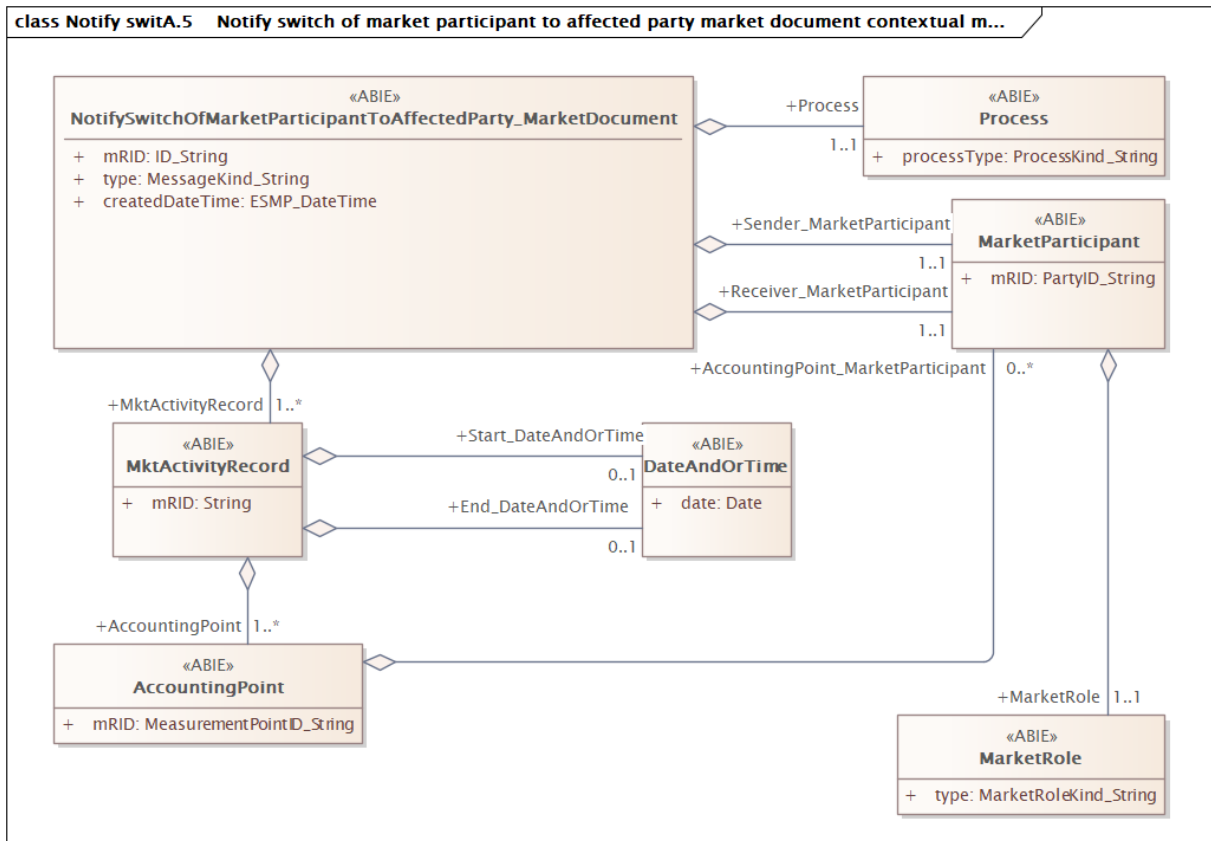
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Table 47: Response to request switch of market participant Market Document

998 **A.5 Notify switch of market participant to affected party market document**

999 This document is used to notify affected parties, such as the old energy supplier, the balance
1000 responsible party and/or the grid access provider, of a switch of market participant linked to
1001 an accounting point in the European energy industry.

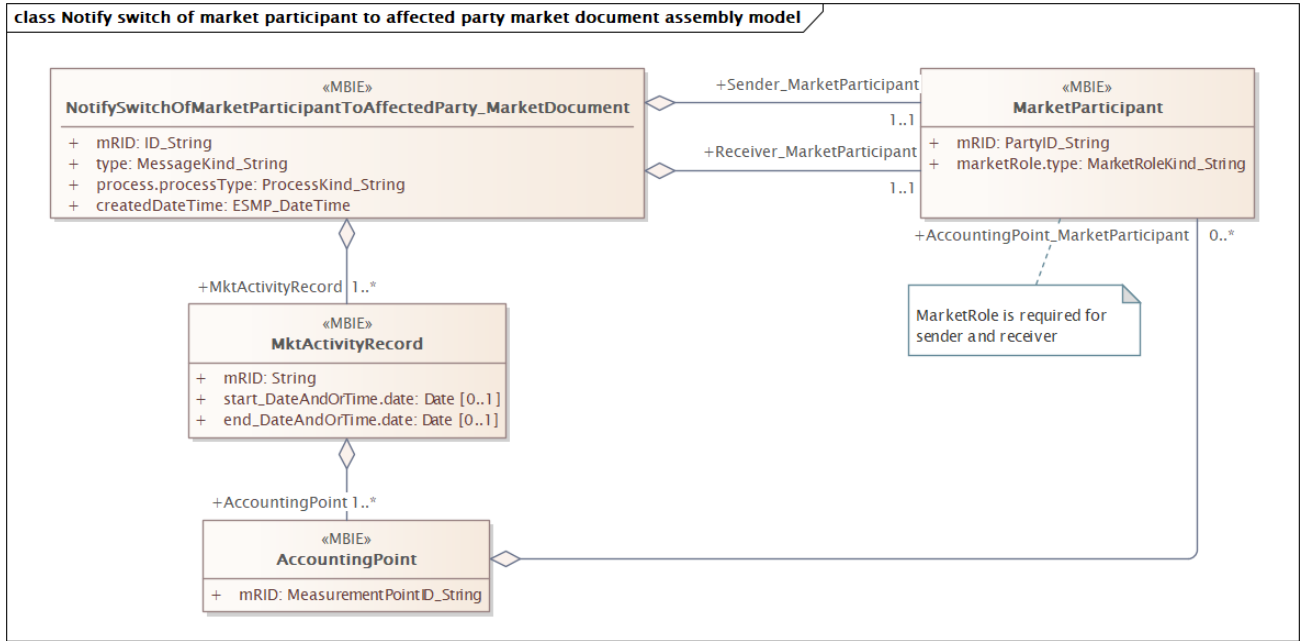
1002
1003 The notification may be used both to inform of gain or loss of a link to an accounting point. If
1004 gain, the attribute “Start_DateAndOrTime” will be used and if loss, the attribute
1005 “End_DateAndOrTime” will be used.
1006



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1008 **Figure 64** Class diagram: Notify switch of market participant to affected party market
1009 document contextual model

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Figure 65 Class diagram: Notify switch of market participant to affected party market document assembly model

CIM Class / Attribute	Card.	Message content
NotifySwitchOfMarketParticipantToAffected Party_ MarketDocument		
mRID	1	Unique identification of the market document
type	1	Axx Notify switch of market participant to affected party
process.processType	1	Type of process: Axx Switch of supplier
sender_MarketParticipant.mRID	1	Unique identification of the sender of the document.
sender_MarketParticipant.marketRole.type	1	A26 Metering point administrator
receiver_MarketParticipant.mRID	1	Unique identification of the receiver of the document.
receiver_MarketParticipant.marketRole.type	1	A08 Balance responsible party A12 Energy supplier A25 Metered data responsible A45 Energy Service Company (ESCO)
createdDateTime	1	Date and time for the creation of this market document.
MktActivityRecord	1..*	

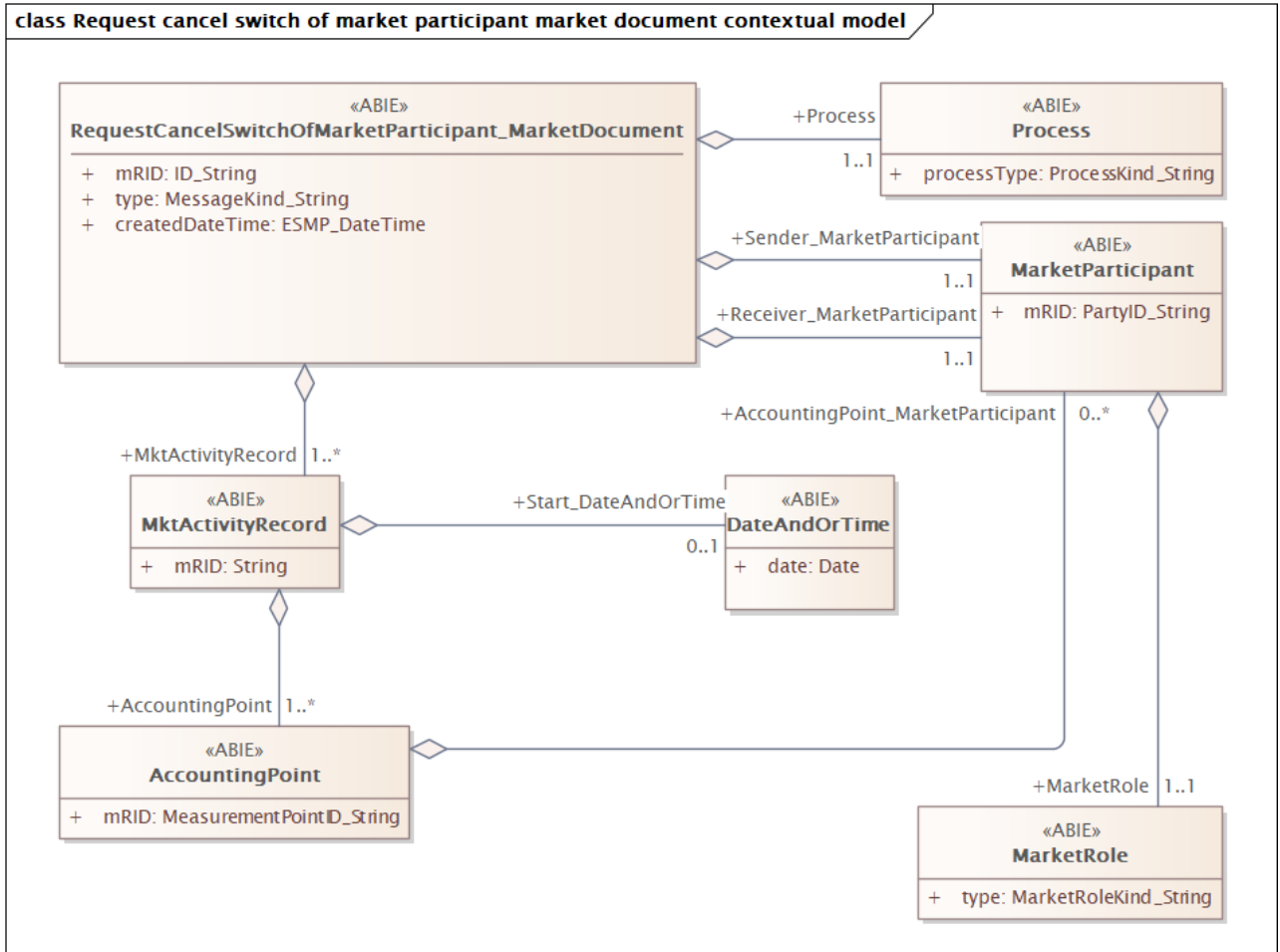
CIM Class / Attribute	Card.	Message content
mRID	1	Unique ID for this transaction (unique over time for the sender in question)
start_DateAndOrTime.date	0..1	The date when the new market participant is linked to the accounting point.
end_DateAndOrTime.date	0..1	The date when the present market participant no longer is linked (LOSS) to this accounting point.
AccountingPoint	1..*	
mRID	1..*	The unique identification of the accounting point that this response targets.
AccountingPoint_MarketParticipant	0..*	
mRID	1	Unique identification of a market participant linked to this accounting point.
marketRole.type	0..*	A08 Balance responsible party A12 Energy supplier A25 Metered data responsible A45 Energy Service Company (ESCO)

Table 48: Notify switch of supplier to affected party Market Document

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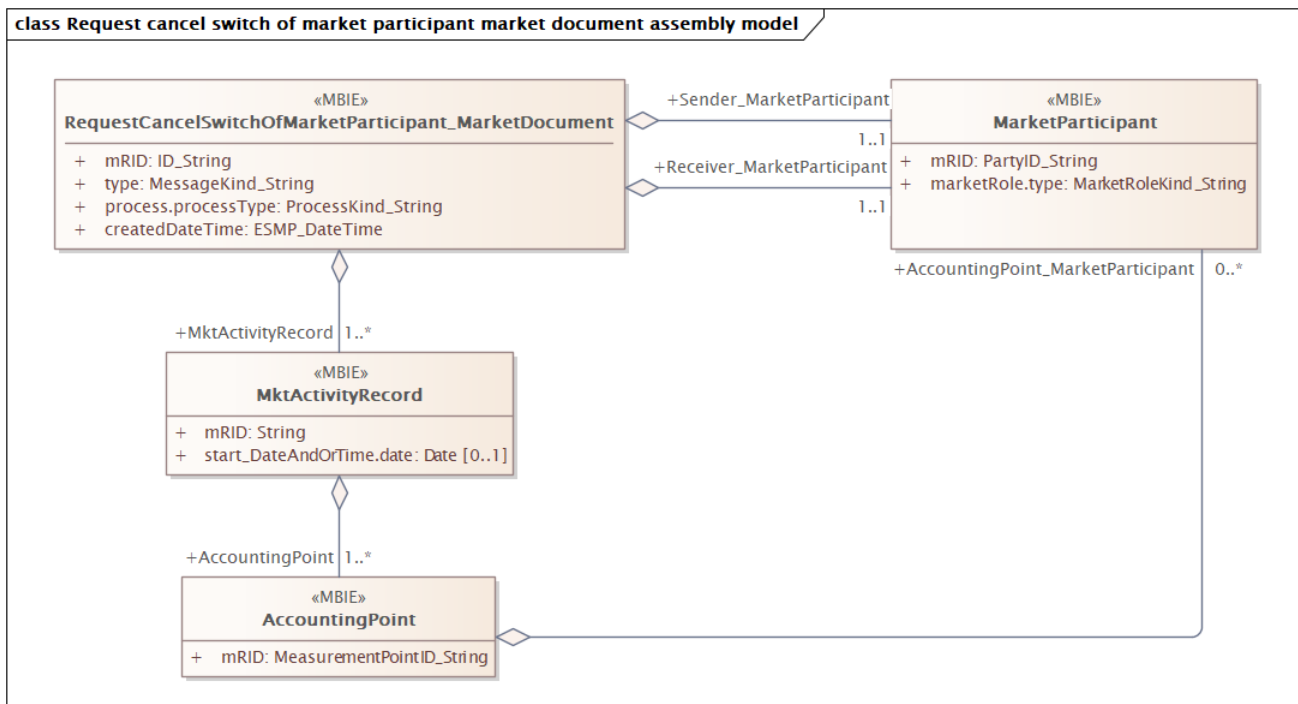
1019 **A.6 Request cancel switch of market participant market document**

1020 This document is used to request cancellation of a request for switch of a market participant
1021 linked to an accounting point.
1022



1023

1024 **Figure 66** Class diagram: Request cancel switch of market participant market document
1025 contextual model
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Figure 67 Class diagram: Request cancel switch of market participant market document assembly model

CIM Class / Attribute	Card.	Message content
RequestCancelSwitchOfMarketParticipant _ MarketDocument		
mRID	1	Unique identification of the market document
type	1	Axx Request cancel switch of market participant
process.processType	1	Type of process: Axx Switch of supplier
sender_MarketParticipant.mRID	1	Unique identification of the sender of the document.
sender_MarketParticipant.marketRole.type	1	A12 Energy supplier
receiver_MarketParticipant.mRID	1	Unique identification of the receiver of the document.
receiver_MarketParticipant.marketRole.type	1	A26 Metering point administrator
createdDateTime	1	Date and time for the creation of this market document.
MktActivityRecord	1..*	
mRID	1	Unique ID for this transaction (unique over time for the sender in question)

CIM Class / Attribute	Card.	Message content
start_DateAndOrTime.date	0..1	The date when the requesting party (e.g. new supplier) is assumed to be linked to this accounting point.
AccountingPoint	1..*	
mRID	1..*	The unique identification of the accounting point that this response targets.
AccountingPoint_MarketParticipant	0..*	
mRID	1	Unique identification of a market participant linked to this accounting point.
marketRole.type	0..*	A12 Energy supplier

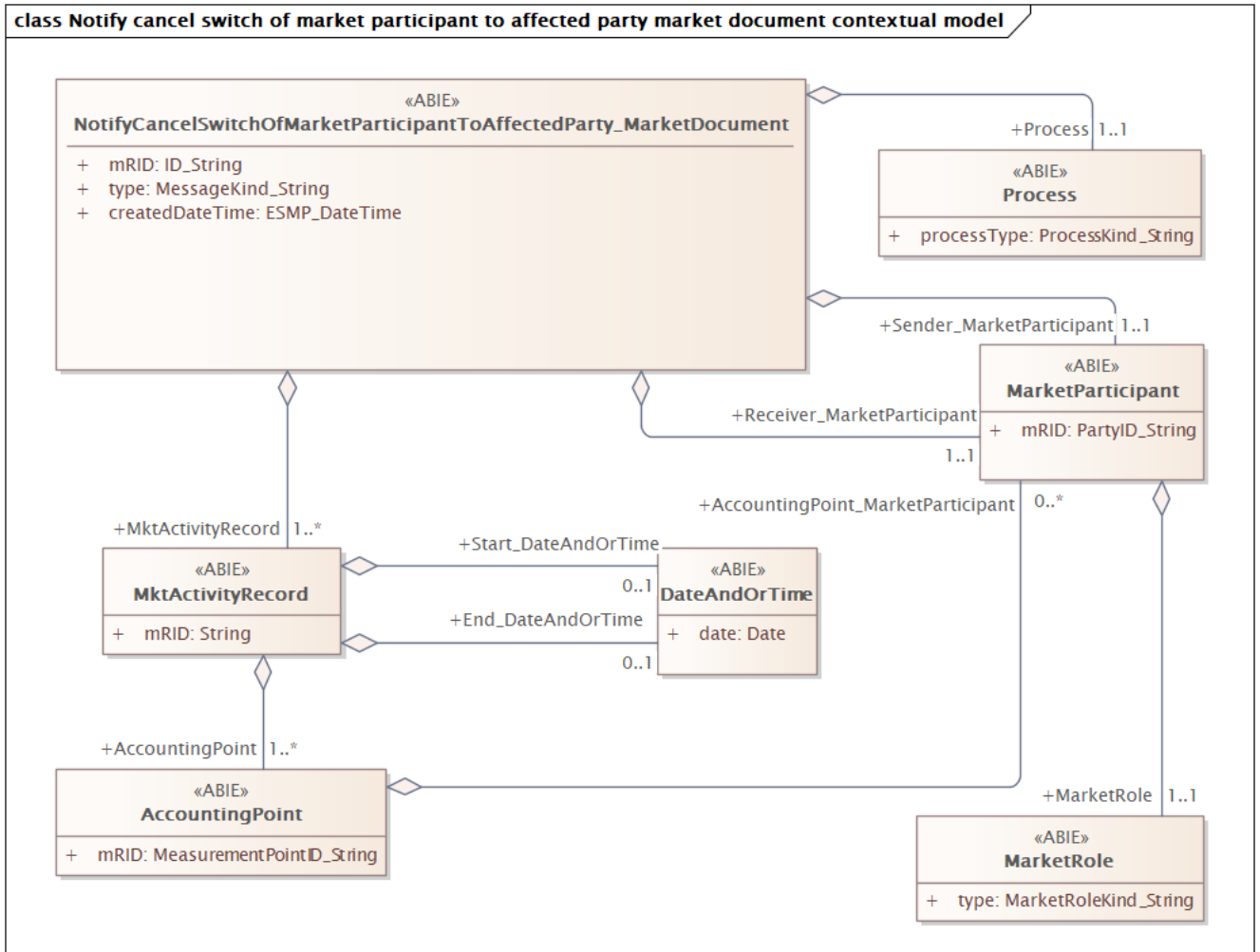
Table 49: Request cancel switch of market participant market document

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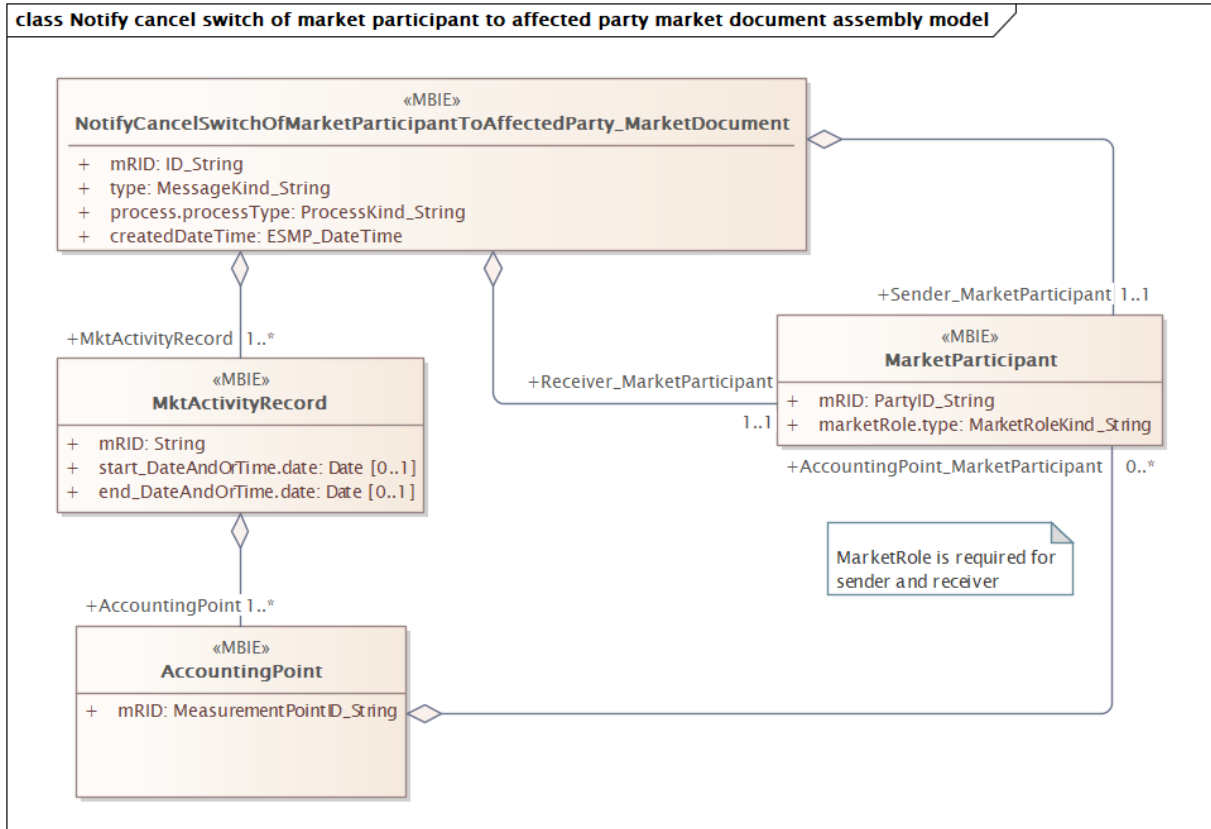
1036 **A.7 Notify cancel switch of market participant to affected party market**
1037 **document**

1038 This document is used to notify affected parties, such as the old energy supplier, the balance
1039 responsible party and/or the grid access provider, of a cancellation of a switch of market
1040 participant linked to an accounting point in the European energy industry.

1041
1042 The notification may be used both to inform of cancellation of a gain or a loss of a link to an
1043 accounting point. If gain, the attribute “Start_DateAndOrTime” will be used and if loss, the
1044 attribute “End_DateAndOrTime” will be used.
1045



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1047 **Figure 68** Class diagram: Notify cancel switch of market participant to affected party market
1048 document contextual model
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1051 **Figure 69** Class diagram: Notify cancel switch of market participant to affected party market
1052 document assembly model
1053

CIM Class / Attribute	Card.	Message content
NotifyCancel SwitchOfMarketParticipantTo AffectedParty_ MarketDocument		
mRID	1	Unique identification of the market document
type	1	Axx Notify cancellation of switch of market participant to affected party
process.processType	1	Type of process: Axx Switch of supplier
sender_MarketParticipant.mRID	1	Unique identification of the sender of the document.
sender_MarketParticipant.marketRole.type	1	A26 Metering point administrator
receiver_MarketParticipant.mRID	1	Unique identification of the receiver of the document.
receiver_MarketParticipant.marketRole.type	1	A08 Balance responsible party A12 Energy supplier A25 Metered data responsible

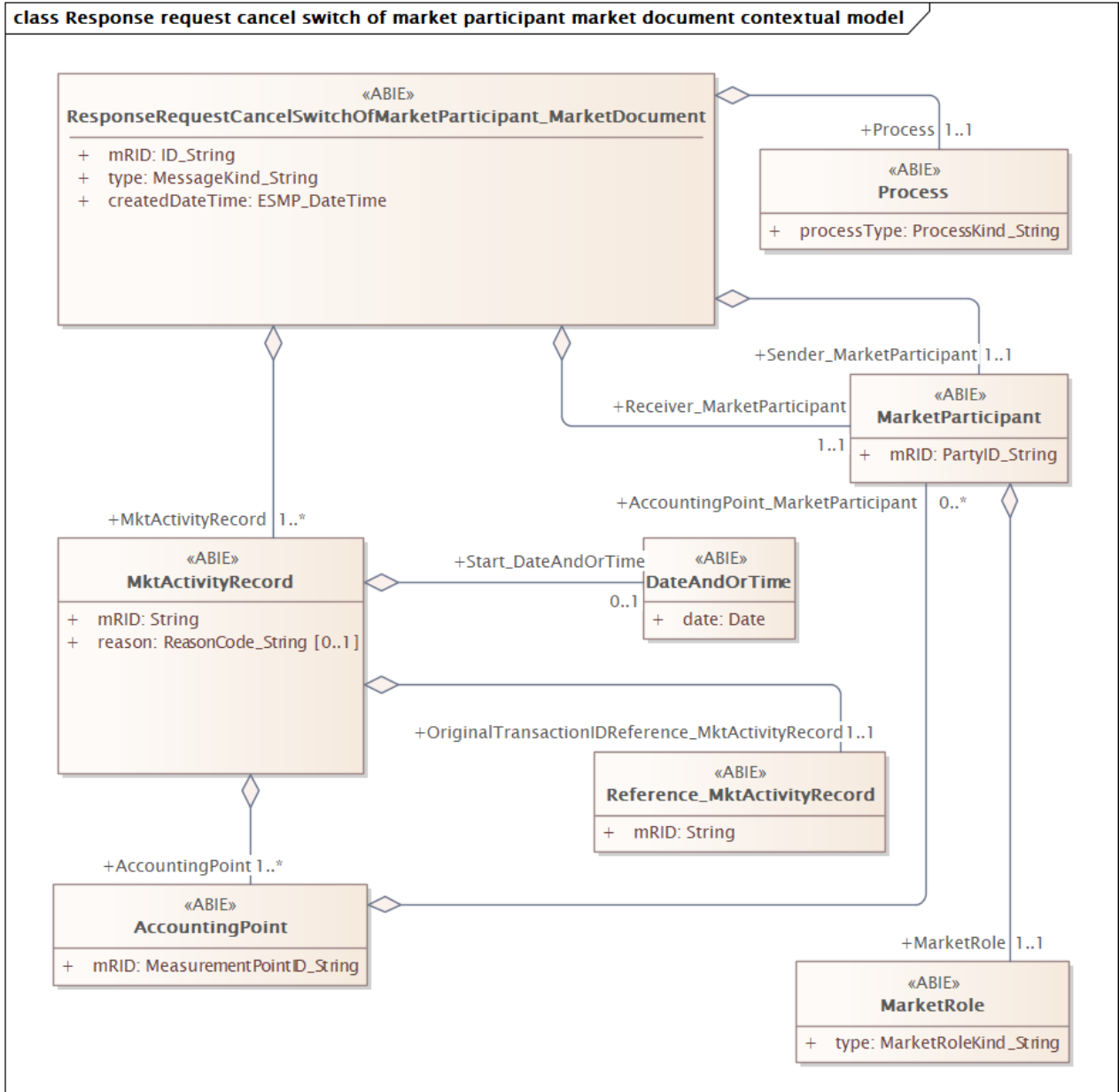
CIM Class / Attribute	Card.	Message content
		A45 Energy Service Company (ESCO)
createdDateTime	1	Date and time for the creation of this market document.
MktActivityRecord	1..*	
mRID	1	Unique ID for this transaction (unique over time for the sender in question)
start_DateAndOrTime.date	0..1	The date when the recipient market participant was assumed to be linked to the accounting point.
end_DateAndOrTime.date	0..1	The date when the recipient market participant was assumed to lose his link (LOSS) to this accounting point.
AccountingPoint	1..*	
mRID	1..*	The unique identification of the accounting point that this response targets.
AccountingPoint_MarketParticipant	0..*	
mRID	1	Unique identification of a market participant linked to this accounting point.
marketRole.type	0..*	A08 Balance responsible party A12 Energy supplier A25 Metered data responsible A45 Energy Service Company (ESCO)

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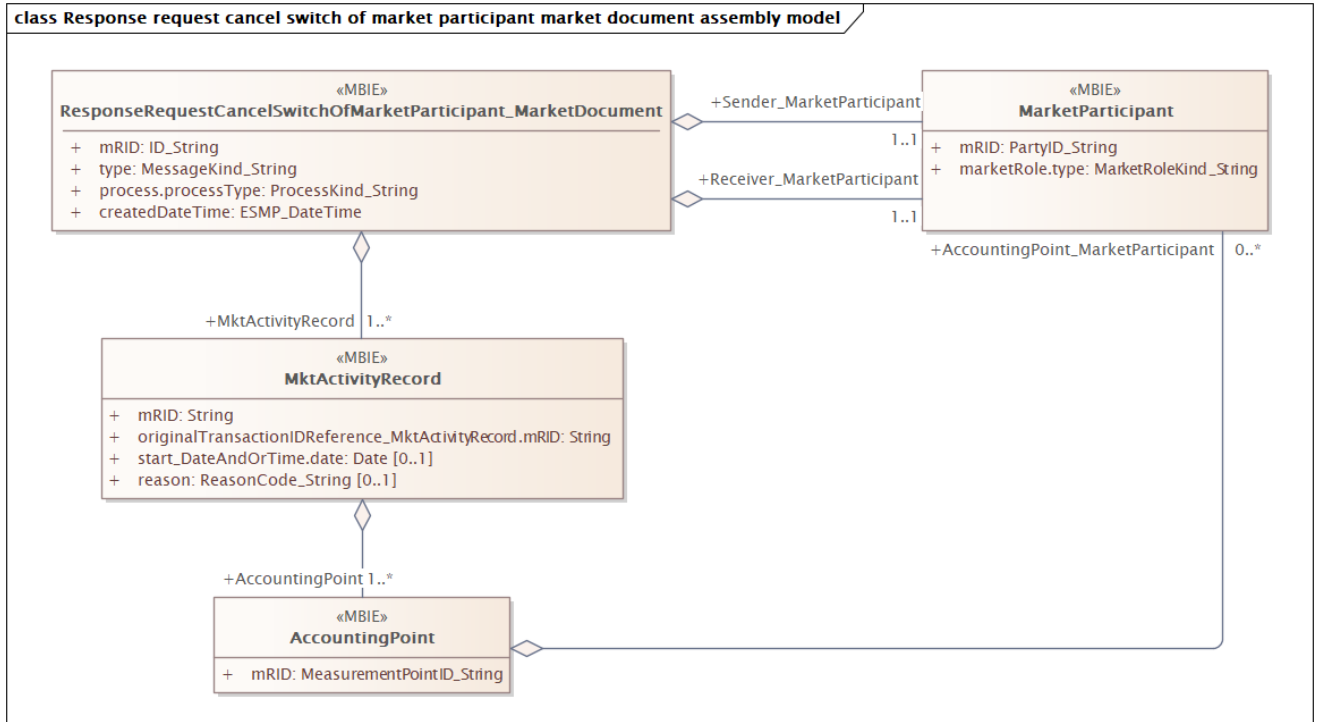
Table 50: Notify switch of supplier to affected party Market Document

1059 **A.8 Response request cancel switch of market participant market document**

1060 This is a response to all kind of requests for cancellation of switch of market participant
1061 processes, such as switch of Balance Responsible Party, switch of Metered Data Collector or
1062 switch of Metered Data Responsible, in the European energy industry.
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1064 **Figure 70** Class diagram: Response request cancel switch of market participant market
1065 document contextual model
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Figure 71 Class diagram: Response request cancel switch of market participant market document assembly model

CIM Class / Attribute	Card.	Message content
ResponseRequestCancelSwitchOfMarket Participant_ MarketDocument		
mRID	1	Unique identification of the market document
type	1	Axx Response to request for cancelling a switch of market participant
process.processType	1	Type of process: Axx Switch of supplier
sender_MarketParticipant.mRID	1	Unique identification of the sender of the document.
sender_MarketParticipant.marketRole.type	1	A26 Metering point administrator
receiver_MarketParticipant.mRID	1	Unique identification of the receiver of the document.
receiver_MarketParticipant.marketRole.type	1	A12 Energy supplier
createdDateTime	1	Date and time for the creation of this market document.
MktActivityRecord	1..*	
mRID	1	Unique ID for this transaction (unique over time for the sender in question)

CIM Class / Attribute	Card.	Message content
originalTransactionIDReference_ MktActivityRecord.mRID	1	The Transaction ID from the cancellation request given by the requesting market participant.
reason	0..1	Type of event, such as: A01 Message fully accepted A02 Message fully rejected
start_DateAndOrTime.date	0..1	The date when the new market participant (e.g. new supplier) was assumed to be linked (GAIN) to this accounting point.
AccountingPoint	1..*	
mRID	1..*	The unique identification of the accounting point that this response targets.
AccountingPoint_MarketParticipant	0..*	
mRID	1	Unique identification of a market participant linked to this accounting point.
marketRole.type	0..*	A08 Balance responsible party A12 Energy supplier

Table 51: Response request cancel switch of market participant market document

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