

NORDIC MARKET EXPERT GROUP

NORDIC EDIEL CODE LIST LIBRARY

Version: Version 2.0.H
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1 Introduction

The *Nordic Ediel Code List Library* shows codes maintained by the Nordic Market Expert Group (NMEG), used in the Nordic energy market.

NMEG seeks to use codes from international standardisation bodies, such as ENTSO-E, ebIX[®] and UN/CEFACT. When the need for a new code turns up and there is no available code issued by a relevant body, NEG will issue a Nordic code, normally having three 3 letters and/or digits, starting with the letter Z. Normally NEG will send a Maintenance Request (MR) asking for a new code from one of the relevant international standardisation bodies. In special circumstances the NEG Znn code may be permanent.

The following code prefixes are normally used:

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|------------------|-------------------------|
| Ann | ENTSO-E codes |
| Bnn | ENTSO-E codes |
| Cnn | ENTSO-E codes |
| Enn | ebIX [®] codes |
| Nnn | NorNed codes |
| xxx | UN/CEFACT codes |
| Znn ¹ | Nordic codes |

Where:

n = number

x = number or character

1.1 References

- [1] ENTSO-E code list, see <https://www.entsoe.eu/publications/electronic-data-interchange-ediel-library>
- [2] UN/CEFACT Code lists (UNCL), see <http://www.unece.org/trade/untidd/welcome.htm>
- [3] ebIX code list, see <http://www.ebix.org/>

1.2 Change log

| Ver/rel/rev | Changed by | Date | Changes |
|-------------|------------|----------|---|
| 2.0H | Ove Nesvik | 20250204 | <ul style="list-style-type: none"> • Addition of new Business Type code, requested by Statnett: ZA5 Expected imbalance |
| 2.0G | Ove Nesvik | 20241218 | <ul style="list-style-type: none"> • Addition of new Reason code for “Energinet/Svenska kraftnät”: Z97 Mitigate polarity reversals • Reserved new Business Type codes for Svenska kraftnät/Nordic RCC: ZA3 Capacity reservation Reference Incident ZA4 Capacity reservation Normal Imbalance |
| 2.0F | Ove Nesvik | 20240912 | <ul style="list-style-type: none"> • Renamed Contract Type code “Z07 Intraday Auction |

¹ When reaching the ceiling of Znn codes for (**Z99**), alphanumeric values may be used for the "nn" part.

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| | | | <p>Combined” to “Z07 Intraday Auction Aggregated”</p> <ul style="list-style-type: none"> Added new Business Type codes: <ul style="list-style-type: none"> ZA1 HVDC Power distribution ZA2 Imbalance losses Added new Document Type codes: <ul style="list-style-type: none"> Z45 HVDC Load profile Added new Reason codes: <ul style="list-style-type: none"> Z94 Transit DC Loop SE4-SE3 Sydvästlänken Z95 Time gate Z96 Rejected by operator |
| 2.0E | Ove Nesvik | 20240809 | <ul style="list-style-type: none"> Reserved new Business Type code for “Nordic settlement group”: <ul style="list-style-type: none"> ZA2 Imbalance losses |
| 2.0D | Ove Nesvik | 20240718 | <ul style="list-style-type: none"> Reserved new Contract Type code for eSett: <ul style="list-style-type: none"> Z07 Intraday Auction Combined |
| 2.0C | Ove Nesvik | 20240628 | <ul style="list-style-type: none"> Reserved new Business Type code for SvK and Fingrid: <ul style="list-style-type: none"> ZA1 HVDC Power distribution Reserved new Document Type code for SvK and Fingrid <ul style="list-style-type: none"> Z45 HVDC Load profile Reserved new Reason Type codes for SvK: <ul style="list-style-type: none"> Z94 Transit Sydvästlänken – SE4-SE3 Z95 Time gate |
| 2.0B | Ove Nesvik | 20240612 | <ul style="list-style-type: none"> Addition of new Reason code Z93 mFRR-D correction Addition of a description for Reason code Z90 Removed Contract type, including the codes Z01 and Z02 Updated definitions of Market Product Type Z02 and Z03 |
| 2.0A | Ove Nesvik | 20240515 | <ul style="list-style-type: none"> Deprecated three Business Types: <ul style="list-style-type: none"> Z97 Z98 Z99Z37 Faster than standard FAT Z38 Faster than standard deactivation time Z39 Slower than standard FAT |
| 1.10A | Ove Nesvik | 20240410 | <ul style="list-style-type: none"> Addition of new Reason codes <ul style="list-style-type: none"> Z89 Base load Z90 Fallback Z91 Requesting assistance Z92 Providing assistance Addition of new Business Type Code: <ul style="list-style-type: none"> ZA0 Missing response Addition of new Status Type Code: <ul style="list-style-type: none"> Z04 Not available for activation if linked bid activated Addition of new Document Type Codes: <ul style="list-style-type: none"> Z43 A document containing activation of disturbance reserves. Z44 A document containing activation of non-standard reserves. |
| 1.9I | Ove Nesvik | 20240315 | <ul style="list-style-type: none"> Reserved a set of Reason codes for Statnett: <ul style="list-style-type: none"> Z90 Fallback Z91 Requesting assistance Z92 Providing assistance |
| 1.9H | Ove Nesvik | 20240315 | <ul style="list-style-type: none"> Reserved Reason code “Z89, Base load” for Svenska |

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| | | | <p>kraftnät (NBM)</p> <ul style="list-style-type: none"> • Deprecated Reason code Z77 and Z78 – use Z54 and Z55 instead. |
| 1.9G | Ove Nesvik | 20240301 | <ul style="list-style-type: none"> • Updated name and description of Market Product Type Z02 and Z03 • Addition of Market Product Type “Z04 FCR-N product” |
| 1.9F | Ove Nesvik | 20240301 | <ul style="list-style-type: none"> • Update of description of the Reason codes Z28 and Z52 • Addition of two new Reason codes: Z87 Transit Fennoskan: FS Loop Z88 Transit DC loop Poland: PL Loop |
| 1.9E | Ove Nesvik | 20240209 | <ul style="list-style-type: none"> • Update of name and description of the Reason codes Z84 and Z85 • Deprecated Settlement method code “Z01 Flex settled” |
| 1.9D | Ove Nesvik | 20240126 | <ul style="list-style-type: none"> • Addition of new Reason codes: Z84 Activation of own resources as BRP/RE Z85 Activation of contracted resources as contractual BSP (no compensation) Z86 Independent aggregation |
| 1.9C | Ove Nesvik | 20240111 | <ul style="list-style-type: none"> • Update of definition of the Market Product Types Z02 and Z03. |
| 1.9B | Ove Nesvik | 20231206 | <ul style="list-style-type: none"> • Update of definition of Reason code Z74 |
| 1.9A | Ove Nesvik | 20231106 | <ul style="list-style-type: none"> • Update of definition of Nordic Market Product types: Z02 Dynamic FCR-D product. Z03 Static FCR-D product. • Updated definition of Business Type code: Z76 Day ahead prices used for CZC forecast calculation. • Addition of Reason code: Z83 Unspecified non-standard bids |
| 1.8A | Ove Nesvik | 20231023 | <ul style="list-style-type: none"> • Addition of Reason codes for the 1st repetition of the Reason class in the Ediel ERRP Reserve Allocation Result Document: Z77 aFRR AOF activation Z78 aFRR non-AOF activation Z79 AOF cannot satisfy the demand with available bids Z80 Rejected by BSP Z81 BSP is unavailable Z82 Scheduled activation bids already chosen for direct activation |
| 1.7B | Ove Nesvik | 20230705 | <ul style="list-style-type: none"> • Addition of new Market Product types: Z02 Dynamic FCR-D product Z03 Static FCR-D product |
| 1.7A | Ove Nesvik | 20230626 | <ul style="list-style-type: none"> • Addition of new code list “Contract types”, with the following Nordic codes: Z01 First auction Z02 Second auction |

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| 1.6J | Ove Nesvik | 20230301 | <ul style="list-style-type: none"> • Addition of Reason codes Z73 System Operator Z74 Disturbance reserve Z75 aFRR correction Z76 mFRR correction • Rename of Reason codes Z60, Z61 and Z62 from slow/fast to Slower/Faster • Renamed FRR-A to aFRR and FRR-M to mFRR |
| 1.6I | Ove Nesvik | 20230124 | <ul style="list-style-type: none"> • Addition of Reason codes “Z71 Midnight” and “Z72 Outage” • Replaced Resource Object with Resource in the codes Z13, Z31 and Z32 in the Document type code list. |
| 1.6H | Ove Nesvik | 20221031 | <ul style="list-style-type: none"> • Addition of Reason codes for NBM: Z66 Adjusted (The information in question is adjusted or a result of an adjustment). Z67 Override (The information in question is overridden or a result of an override of data). Z68 Emergency (There is a need for emergency assistance using agreed product). Z69 Shadow Auction (The flow is related to shadow auction trade). Z70 Cancel (Cancellation of one or more observation(s) or operation(s)). • Rename of Reason codes: Z50 Supportive power s-Special (The object relates to Supportive power special) Z51 Supportive power d-Disturbance (The object relates to Supportive power disturbance) • Renamed Type of Area code Z01 from “Market Balance Area” to “Bidding Zone”. • Rename of Document type code Z11 from “Market Balance Area (MBA) Master Data document” to “Bidding Zone (BZ) Master Data document” |
| 1.6G | Ove Nesvik | 20220607 | <ul style="list-style-type: none"> • Updated definitions of Document Type codes Z41 and Z42. |
| 1.6F | Ove Nesvik | 20220313 | <ul style="list-style-type: none"> • Deprecated Asset types: Z03, Z04, Z05 and Z08. • Addition of Status Type code Z01, Z02 and Z03. |
| 1.6E | Ove Nesvik | 20220112 | <ul style="list-style-type: none"> • The Document Types “Faster than standard FAT” (Z37), “Faster than standard deactivation time” (Z38) and “Slower than standard FAT” (Z39) are deprecated. • The Business Types “Faster than standard FAT” (Z97), “Faster than standard deactivation time” (Z98) and “Slower than standard FAT” (Z99) are added. |
| 1.6D | Ove Nesvik | 20211110 | <ul style="list-style-type: none"> • Addition of new Document type codes: Z41 Production smoothing (applicable only in Norway) • Addition of new Market Product Type: |

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| | | | Z01 Standalone period shift product |
| 1.6C | Ove Nesvik | 20211012 | <ul style="list-style-type: none"> • Addition of definitions for <ul style="list-style-type: none"> ○ Role code Z06 ○ Process type code Z08, Z09, Z10 og Z11 |
| 1.6B | Ove Nesvik | 20210826 | <ul style="list-style-type: none"> • Addition of Quality Type code Z01 Calculated • Addition of a comment to Document type Z37, Z38 and Z39: “Proposed by NMEG to be moved to the Business type code list” |
| 1.6A | Ove Nesvik | 20210623 | <ul style="list-style-type: none"> • Addition of Document Type Z37 to Z40 • Addition of Reason codes Z58 to Z65 |
| 1.5.Q | Ove Nesvik | 20210325 | <ul style="list-style-type: none"> • Addition of Reason code “Z57 Auction Run ID” • Business Type code Z69 Metered frequency is deprecated – use C57 Metered frequency instead |
| 1.5.P | Ove Nesvik | 20210209 | “Deprecated” is removed from Business Type Z49 and Z51 |
| 1.5.O | Ove Nesvik | 20210121 | Addition of new Process Type Z15 External trade. |
| 1.5.N | Ove Nesvik | 20210114 | The “Deprecated” mark on the Document Type Z15 is removed. |
| 1.5.M | Ove Nesvik | 20201215 | Addition of new Reason Code Z56 FFR. |
| 1.5.L | Ove Nesvik | 20201015 | <p>«deprecated» codes that have got a new official ENTSO-E code:</p> <ul style="list-style-type: none"> • Role type: Z05 Trader -> A47 Energy Trader • Business Types: Z02 Frequency bias -> C25 Frequency bias Z03 Frequency Containment Reserves, Normal (FCR-N) -> C26 Frequency Containment Reserves, Normal (FCR-N) Z06 Frequency Containment Reserves, Disturbance (FCR-D) -> C27 Frequency Containment Reserves, Disturbance (FCR-D) Z52 Small scale production -> C29 Small scale production Z32 System price -> C30 System price • Process type: Z05 Bilateral trade -> A59 Internal trade reporting Z04 Reserve option market -> A58 Reserve option market |
| 1.5.K | Ove Nesvik | 20200921 | <ul style="list-style-type: none"> • The following Asset Type Codes are no longer «deprecated»: <ul style="list-style-type: none"> Z04 Thermal Z05 Wind • The following code Asset Type Code is added: Z08 wave |
| 1.5.J | Ove Nesvik | 20200818 | <ul style="list-style-type: none"> • New Business Type: Z95 Non-conform load schedule Z96 Conform load schedule • Updated the definition of Reason code Z35 • New Reason codes: Z53 mFRR, System Regulation Z54 Activation by AOF (Activation Optimisation |

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| | | | Function) Z55 Manual activation not based on AOF |
| 1.5.I | Ove Nesvik | 20200723 | <ul style="list-style-type: none"> New Business Type: Z94 Frequency Containment Reserve-Disturbance (FCR-D), one-step activation |
| 1.5.H | Ove Nesvik | 20200706 | <ul style="list-style-type: none"> Deprecation of codes approved by ENTSO-E. Reneme of Process Type Z13 from “ACE OL Report” to “Corrected real time values”. |
| 1.5.G | Ove Nesvik | 20200604 | <ul style="list-style-type: none"> Addition of Reason Codes: Z50 Supportive power special Z51 Supportive power disturbance Z52 Transit SB Loop Short |
| 1.5.F | Ove Nesvik | 20200527 | <ul style="list-style-type: none"> Addition of Business Types: Z90 Power Plan Trade Z91 Loop transit Z92 Agreed supportive power (ASP) Z93 Production adjustments |
| 1.5.E | Ove Nesvik | 20200416 | <ul style="list-style-type: none"> Addition of Business Types: Z88 Total planned flow Z89 Expected countertrade Addition of Object aggregation code: Z02 Mutually Regulated Areas (MRA) |
| 1.5.D | Ove Nesvik | 20200309 | <ul style="list-style-type: none"> Addition of Business Types: Z77 ACE OL Z84 Inertia Z85 FFR process Z86 Frequency nadir Z87 Reference incident Addition of Document Types: Z35 ACE OL Z36 Power Prognoses Addition of Process Type: Z14 Fast Frequency Reserve (FFR) Process Addition of Reason Codes Z42 to Z49 Deprecated a set of codes where new codes have been issued by ENTSO-E CIM EG. |
| 1.5.C | Ove Nesvik | 20191016 | <ul style="list-style-type: none"> Addition of Settlement method code: Z01 Flex settled Deprecated a set of codes where new codes have been issued by ENTSO-E CIM EG. Addition of Document Type: Z34 Market Operator Configuration Document |
| 1.5.B | Ove Nesvik | 20190111 | <ul style="list-style-type: none"> Deprecated codes that no longer are used Addition of definition for Document Type Z16 Addition of Document Types Z24 to Z33 Addition of Process Types Z08 to Z11 Addition of Reason Codes Z40 to Z41 Addition of Role Code Z06 |

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| 1.5.A | Ove Nesvik | 20180425 | <ul style="list-style-type: none"> • Addition of Trade Structure Document Types: <ul style="list-style-type: none"> Z24 Request Bilateral Trade Structure Document Z25 Request PX Trade Structure Document Z26 Bilateral trade structure master data document containing master data changed within the Validity Time Interval Z27 Bilateral trade structure master data document containing all valid master data within the Validity Time Interval Z28 PX trade structure master data document containing master data changed within the Validity Time Interval Z29 PX trade structure master data document containing all valid master data within the Validity Time Interval |
| 1.4.B | Ove Nesvik | 20170419 | <ul style="list-style-type: none"> • Rename of Document Type codes: <ul style="list-style-type: none"> Z12 Request change of retailer consumption master data Z13 Request change of Resource Object master data Z18 Party Relation Master Data Document containing master data changed within the Validity Time Interval Z19 Party Relation Master Data Document containing all valid master data within the Validity Time Interval • Rename of Document Type codes to: <ul style="list-style-type: none"> Z20 Retailer consumption master data document containing master data changed within the Validity Time Interval Z21 Retailer consumption master data document containing all valid master data within the Validity Time Interval Z22 Resource Object master data document containing master data changed within the Validity Time Interval Z23 Resource Object master data document containing all valid master data within the Validity Time Interval |
| 1.4.A | Ove Nesvik | 20170419 | <ul style="list-style-type: none"> • Addition of Price category type codes: <ul style="list-style-type: none"> Z01 Buying Z02 Selling Z03 Average • Added Document Type Codes Z20, Z21, Z22 and Z23 • Rephrased Document Type Codes Z12 and Z13 • Updated logos on the front page Removed NPS |
| 1.3.H | Ove Nesvik | 20170213 | <p>Textual corrections:</p> <ul style="list-style-type: none"> • Updated logos on the front page <p>Updated NTC and NEG member list</p> |
| 1.3.G | Ove Nesvik | 20161121 | <p>Added Document Types:</p> |

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| | | | <p>Z18 Party Relation Master Data Document where Validity Start and/or Validity End are within the Validity Period”</p> <p>Z19 Party Relation Master Data Document where relations are valid sometime within the Validity Period”</p> |
| 1.3.F | Ove Nesvik | 20160629 | Addition of Document type Z17 Spot Market Bid Status Report |
| 1.3.E | Ove Nesvik | 20160525 | Addition of Z99 Sub-Grid Area |
| 1.3.D | Ove Nesvik | 20150904 | MGA type “ Z02 Only losses” is deprecated |
| 1.3.C | Ove Nesvik | 20150623 | Addition of Business type Z68 Production Unit own consumption |
| 1.3.B | Ove Nesvik | 20150519 | Rename of Production Unit Type code to Production Type code |
| 1.3.A | Ove Nesvik | 20150503 | Addition of Production unit type code and the codes Z01 Normal Z02 Minor |
| 1.2.A | Ove Nesvik | 20150421 | Addition of MGA Type: Z07 Transmission (main/central) grid |
| Draft 1.2.A | Ove Nesvik | 20150130 | Addition of Asset Type: Z07 Consumption” Addition of Object aggregation: Z01 Generator group |
| Draft 1.2.A | Ove Nesvik | 20141001 | Addition of Reason codes Z29-Z39 |
| Draft 1.2.A | Ove Nesvik | 20140717 | Deprecation of Business Type Codes: Z53 (B14) Production deviation Z54 (B15) Consumption deviation Z55 (B20) Balance up regulation price Z56 (B21) Balance down regulation price Z57 (B22) Main direction Z58 (B23) Consumption imbalance price Z59 (B24) Production sales imbalance price Z60 (B25) Production purchase imbalance price Z61 (B26) Average balance price between MBAs Z62 (B27) Pumped Z63 (B28) Large installation consumption Z65 (B29) MGA imbalance |
| 1.1.A | Ove Nesvik | 20140422 | Addition of Business Type codes: Z55 Balance up regulation price Z56 Balance down regulation price Z57 Main direction Z58 Consumption imbalance price Z59 Production sales imbalance price Z60 Production purchase imbalance price Z61 Middle balance price between MBAs Z62 Pumped Z63 Large installation consumption Z64 Internal trade difference Z65 MGA imbalance Addition of Document Type codes: Z10 Connected Metering Grid Area (MGA) document Z11 Market Balance Area (MBA) structure document |

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| | | | Addition of new code list, Type of Area code: Z01 Market Balance Area (MBA) Z02 Metering Grid Area (MGA) |
| 1.0.B | Ove Nesvik | 20140207 | Addition of Bid Type Code: Z04 Profile block bid Addition of Business Type Codes: Z53 Production deviation Z54 Consumption deviation |
| 1.0.A | Ove Nesvik | 20131212 | First approved version |

2 Nordic extensions to ENTSO-E code lists

2.1 Asset type code

| Code | Name | Description |
|------|---------------------|---|
| Z01 | | Deprecated (use A08 Busbar instead) |
| Z02 | | Deprecated (not used anymore) |
| Z03 | Transformer station | Deprecated (Use B23 instead) |
| Z04 | Thermal | Deprecated (Use B37 instead) |
| Z05 | Wind | Deprecated (Use B30 instead) |
| Z06 | | Deprecated (Use “ B10 Hydro Pumped Storage”, “ B11 Hydro Run-of-river and pondage” or “ B12 Hydro Water Reservoir” instead) |
| Z07 | | Deprecated (Use “ A05 Load” instead) |
| Z08 | Wave | Deprecated (Use B34 instead) |

2.2 Business type code

| Code | Name | Description |
|------|--------------------------------|--|
| N03 | In-feed ATC | Available transfer capacity at the in-feed side of a tie-line or cable (i.e. into the cable, out from sending area) (E.g. used in the NorNed project) |
| N04 | Out-feed ATC | Available transfer capacity at the out-feed side of a tieline or cable, i.e. after subtraction of grid loss. (i.e. out of the cable, into receiving area) (E.g. used in the NorNed project) |
| Z01 | | Deprecated (Use A77 , <i>Production, dispatchable</i> instead) |
| Z02 | | Deprecated (Use C25 , <i>Frequency bias</i> instead) |
| Z03 | | Deprecated (Use C26 , <i>Frequency Containment Reserve-Normal (FCR-N)</i> instead) |
| Z04 | | Deprecated (Use A78 , <i>Consumption, dispatchable</i> instead) |
| Z05 | Net internal trade counterpart | Net internal trade as reported from the counterpart, used during matching procedure. |
| Z06 | | Deprecated (Use C27 , <i>Frequency Containment Reserve-Disturbance (FCR-D)</i> instead) |
| Z07 | | Deprecated (Use A70 , <i>Production, unavailable</i> instead) |
| Z08 | Trade, unconfirmed | The trade plan of an actor when not matched against a counterpart, used during matching procedure. |
| Z09 | | Deprecated (Use A89 , <i>Spinning reserve</i> (The extra generating capacity that is available by increasing the production of generators that are already connected to the power system)) |
| Z10 | | Deprecated (Use A10 , <i>tertiary reserves</i>) |
| Z11 | | Deprecated (Use A12 , <i>Secondary control (A time series concerning secondary reserve)</i>) |
| Z12 | Total primary reserve | Sum of all primary reserves |
| Z13 | Balance regulation activations | Activations of tertiary reserves in the Balance regulation market |
| Z14 | System operator adjustment | Proposed adjustment by the <i>System operator</i> , used during matching procedure. |

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| Z15 | Result of an automatic System operator adjustment | Forced adjustment by the <i>System operator</i> , used during matching procedure. |
| Z16 | Market schedules difference | Difference between own and counterparty market schedules, used during matching procedure. |
| Z17 | Technical minimum | Technical minimum possible, under minimum, Resource Object having the possibility of using overload areas. |
| Z18 | Technical maximum | Technical maximum possible, maximum incl. overload, Resource Object having the possibility of using overload areas. |
| Z19 | Total maximum production | Schedule for maximum total production. |
| Z20 | Total minimum production | Schedule for minimum total production. |
| Z21 | Total Transfer Capacity (TTC) | The <i>Total Transfer Capacity</i> is the maximum exchange program between two areas compatible with operational security standards applicable at each system if future network conditions, generation and load patterns were perfectly known in advance. |
| Z22 | Maximum production capacity | Maximum total value of planned production. |
| Z23 | Minimum production capacity | Minimum total value of planned production |
| Z24 | Peak load resource | Peak load resource refers to power plants which produce electricity using condensing power capacity covered by the power load reserve arrangement and may also refer to disconnectable consumption. |
| Z25 | | Deprecated Use A66 , <i>Energy flow</i> , together with an object aggregation element |
| Z26 | | Deprecated Use A23 , <i>Balance management</i> |
| Z27 | Operational capacity (OC) | <i>Operational capacity</i> is exchanged between <i>System operators</i> . The OC is the available transfer capacity as established during the operational day, i.e. the capacity available after closure of the intra-day market. The OC is used for system operation and not for market purposes. The OC may be both higher and lower than the ATC. The OC may be negative. <i>This is a permanent Nordic code.</i> |
| Z28 | Balance regulation power | Offered tertiary reserves to the Balance regulation market |
| Z29 | Reserves option power | Offered tertiary reserves to the Reserves option market |
| Z30 | | Deprecated i.e. not used |
| Z31 | | Deprecated (Use A79 , <i>Production, non-dispatchable</i> instead) |
| Z32 | | Deprecated (Use C30 <i>System price</i> instead) |

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| Z33 | | Deprecated (this information should be found as <i>Process type</i> at the header level) |
| Z34 | | Deprecated (this information should be found as <i>Process type</i> at the header level) |
| Z35 | Commercial bid | The time series provides commercial bids. |
| Z36 | Reserve bid | The time series provides reserve bids. |
| Z37 | Primary reserves activations | Activations of primary reserves |
| Z38 | Hydro production | The business being described concerns production based on hydro power |
| Z39 | Nuclear production | The business being described concerns production based on nuclear power |
| Z40 | Thermal production | The business being described concerns production based on thermal power |
| Z41 | Wind production | The business being described concerns production based on wind power |
| Z42 | Decentralised production | The business being described concerns production based on decentralised power |
| Z43 | Gas turbine and diesel production | The business being described concerns production based on gas turbine and diesel power |
| Z44 | Other thermal production | The business being described concerns production based on other thermal power |
| Z45 | Disturbance on the Link | Nordic code (currently used by SwePol) |
| Z46 | System Operator redispatching, in case of ASP special | Nordic code (currently used by SwePol) |
| Z47 | Loop Flow | Nordic code (currently used by SwePol) |
| Z48 | Number of return cables | Nordic code (currently used by SwePol) |
| Z49 | Commercial production | The time series provides commercial bids based on production |
| Z50 | Commercial wind production | The time series provides commercial bids based on wind production |
| Z51 | Commercial consumption | The time series provides commercial bids based on consumption |
| Z52 | | Deprecated (Use C29 <i>Small scale production</i>) |
| Z53 | | Deprecated (Use B14 instead) |
| Z54 | | Deprecated (Use B15 instead) |
| Z55 | | Deprecated (Use B20 instead) |

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| Z56 | | Deprecated (Use B21 instead) |
| Z57 | | Deprecated (Use B22 instead) |
| Z58 | | Deprecated (Use B23 instead) |
| Z59 | | Deprecated (Use B24 instead) |
| Z60 | | Deprecated (Use B25 instead) |
| Z61 | | Deprecated (Use B26 instead) |
| Z62 | | Deprecated (Use B27 instead) |
| Z63 | | Deprecated (Use B28 instead) |
| Z64 | Internal trade difference | A time series concerning internal trade difference, within a Market balance area, i.e. the difference between trades reported from an out party (seller) and an in party (buyer). The internal trade difference is the delta value between what is reported by the two Balance responsible Parties. |
| Z65 | | Deprecated (Use B29 instead) |
| Z66 | Last resort | A time series concerning consumption handled by supplier of last resort |
| Z67 | TRM | Transmission Reliability Margin |
| Z68 | Production Units own consumption | The consumption of one or more Production Units |
| Z69 | | Deprecated (use "C57 Metered frequency" instead) |
| Z70 | | Deprecated (use "C17 Market price and total volume" instead) |
| Z71 | | Deprecated (use "C18 Import price" instead) |
| Z72 | | Deprecated (use "C19 Capacity allocated (excluding price)" instead) |
| Z73 | Fast active disturbance reserve | The fast active disturbance reserve is the manual reserve (mFRR) available within 15 minutes in the event of the loss |

| | | |
|------------|--|---|
| | | of an individual principal component (production unit, line, transformer, bus bar etc.). Restores the <i>frequency controlled disturbance reserve</i> . |
| Z74 | Imbalance sales price | A time series concerning imbalance prices for sales |
| Z75 | Imbalance purchase price | A time series concerning imbalance prices for purchase |
| Z76 | Day ahead prices used for CZC forecast calculation | Day ahead prices used for Cross Zonal Capacity forecast calculation. |
| Z77 | ACE OL (Area Control Error Open Loop) | The Area Control Error Open Loop (ACE OL) is the real-time imbalance of an area in the power system without automatic Frequency Restoration Reserve (aFRR) and manual Frequency Restoration Reserves (mFRR). ACE OL is the imbalance before any operator balancing actions. |
| Z78 | Upper Alert | A time series concerning the upper limit before an alarm is raised |
| Z79 | Upper Emergency | A time series concerning the upper limit before an emergency is raised |
| Z80 | Lower Alert | A time series concerning the lower limit before an alarm is raised |
| Z81 | Lower Emergency | A time series concerning the lower limit before an emergency is raised |
| Z82 | Upper Warning | A time series concerning the upper limit before a warning is raised |
| Z83 | Lower Warning | A time series concerning the lower limit before a warning is raised |
| Z84 | Inertia | A time series concerning the ability of the kinetic energy stored in the rotating masses in the electricity system to resist changes in frequency. |
| Z85 | Fast Frequency Reserve (FFR) | A time series concerning the Fast Frequency Reserve (FFR), a power response activated within about one second when the system frequency drops below a certain level. |
| Z86 | Frequency nadir | A time series concerning the expected lowest value of the frequency, after a disturbance. |
| Z87 | Reference incident | A time series concerning the expected maximum incident size in MW. |
| Z88 | Total planned flow | A time series concerning total planned flow of power between areas. |
| Z89 | Expected countertrade | The planned supportive power corrections. |
| Z90 | Power Plan Trade | Sum of planned flow considering the Day ahead and Intraday market. |
| Z91 | Loop transit | Flow resulting from agreed loop flows and transit agreement. |
| Z92 | Agreed supportive power (ASP) | Flow from agreed supportive power. |
| Z93 | Production adjustments | Period shift products activated in the balancing time frame where the activation and need are in different areas. |

| | | |
|------------|--|---|
| Z94 | Frequency Containment Reserve-Disturbance (FCR-D), one-step activation | FCR-D one step activation, is a reserve that is automatically activated when the frequency falls below 49.90 Hz after an imbalance, activated in one step, as opposed to a linear activation. |
| Z95 | Non-conform load schedule | Non-Conform Load Schedule: Loads that do not follow a daily and seasonal load variation pattern. |
| Z96 | Conform load schedule | Conform Load Schedule: A curve of load versus time (X-axis) showing the active power values (Y1-axis) and reactive power (Y2-axis) for each unit of the period covered. This curve represents a typical pattern of load over the time period for a given day type and season. |
| Z97 | | Deprecated (Use ENTSO-E code “ C83 Faster than standard FAT” instead). |
| Z98 | | Deprecated (Use ENTSO-E code “ C84 Faster than standard deactivation time” instead). |
| Z99 | | Deprecated (Use ENTSO-E code “ C85 Slower than standard FAT” instead). |
| ZA0 | Missing response | A response is missing, such as related activations, heartbeat tests. |
| ZA1 | HVDC Power distribution | A profile for planned load distribution between two or more HVDC cables. |
| ZA2 | Imbalance losses | Imbalance losses are the difference between procured losses from Market Coupling and actual losses. |
| ZA3 | <i>Reserved by Svenska kraftnät/ Nordic RCC:</i> Capacity reservation Reference Incident | Extraordinary mFRR allocation concerning Reference Incident. |
| ZA4 | <i>Reserved by Svenska kraftnät/ Nordic RCC:</i> Capacity reservation Normal Imbalance | Extraordinary mFRR allocation concerning Normal Imbalance. |
| ZA5 | Expected imbalance | A time series to provide the expected (the prognosis of) energy imbalances for a given period. |

2.3 Contract type code

| Code | Name | Description |
|-------------|-----------------------------|---|
| Z07 | Intraday Auction Aggregated | Nets together all different Intraday Auctions into a single value |

2.4 Document type code

| Code | Name | Description |
|------|--|---|
| Z01 | | Deprecated (Use A14 , Resource Provider Resource Schedule (Operational schedule)) |
| Z02 | | Deprecated (Use A04 , System Operator area schedule instead) |
| Z03 | Auction Specification Document | The document provides auction specification information. |
| Z04 | Operational schedule, binding | The document provides binding operational (resource) schedules from the System operator, after market cut-off time. |
| Z05 | | Deprecated (use “ B35 Area Configuration document” instead) |
| Z06 | Market connection points document | A document specifying connection point and related area where the connection point belongs. |
| Z07 | Rate of exchange document | A document used to distribute Rate of exchange |
| Z08 | Intermediate Confirmation of Aggregate metered data from the Metered Data Aggregator | Intermediate Confirmation of Aggregated Data per Neighbouring Grid from Imbalance Settlement Responsible to Metered Data Aggregator |
| Z09 | Final Confirmation of Aggregate metered data from the Metered Data Aggregator | Final Confirmation of Aggregated Data per Neighbouring Grid from Imbalance Settlement Responsible to Metered Data Aggregator |
| Z10 | Connected Metering Grid Area (MGA) document | Deprecated (use “ B37 Connected Area Document” instead) |
| Z11 | Bidding Zone (BZ) Master Data document | Deprecated (use “ B36 Area Composition document” instead) |
| Z12 | Request change of retailer consumption master data | A document requesting changes to retailer consumption master data, sent from an Entitled Role to the Imbalance Settlement Responsible |
| Z13 | Request change of Resource master data | Resource master data document where Validity Start and/or Validity End date are changed within the Validity Time Interval (Start date/time inclusive and End date/time exclusive). A document containing master data for a Resource |
| Z14 | | Deprecated |
| Z15 | DATCR activation, move (change) of planned production | A document indication a move or change of planned production in a Directly Activated Tertiary Control Reserve (DATCR) process. |
| Z16 | Generator Group Relations document | A document containing master data for Generator Group and Generator Relations |
| Z17 | Spot Market Bid Status Report | A document containing a Bid Status from the Spot Market |
| Z18 | Party Relation Master Data Document containing master data changed within the Validity Time Interval | Party Relation Master Data Document containing master data changed within the Validity Time Interval (Start date/time inclusive and End date/time exclusive) |

| Code | Name | Description |
|------|---|---|
| Z19 | Party Relation Master Data Document containing all valid master data within the Validity Time Interval | Party Relation Master Data Document containing all valid master data within the Validity Time Interval (Start date/time inclusive and End date/time exclusive) |
| Z20 | Retailer consumption master data document containing master data changed within the Validity Time Interval | Retailer consumption master data document containing master data changed within the Validity Time Interval (Start date/time inclusive and End date/time exclusive) |
| Z21 | Retailer consumption master data document containing all valid master data within the Validity Time Interval | Retailer consumption master data document containing all valid master data within the Validity Time Interval (Start date/time inclusive and End date/time exclusive) |
| Z22 | Resource Object master data document containing master data changed within the Validity Time Interval | Resource Object master data document containing master data changed within the Validity Time Interval (Start date/time inclusive and End date/time exclusive) |
| Z23 | Resource Object master data document containing all valid master data within the Validity Time Interval | Resource Object master data document containing all valid master data within the Validity Time Interval (Start date/time inclusive and End date/time exclusive) |
| Z24 | Request Bilateral Trade Structure Document | A document requesting a new, changed or deleted Bilateral Trade Structure |
| Z25 | Request PX Trade Structure Document | A document requesting a new, changed or deleted PX (Power Exchange) Trade Structure |
| Z26 | Bilateral trade structure master data document containing master data changed within the Validity Time Interval | Bilateral trade structure master data document containing master data changed within the Validity Time Interval (Start date/time inclusive and End date/time exclusive) |
| Z27 | Bilateral trade structure master data document containing all valid master data within the Validity Time Interval | Bilateral trade structure master data document containing all valid master data within the Validity Time Interval (Start date/time inclusive and End date/time exclusive) |
| Z28 | PX trade structure master data document containing master data changed within the Validity Time Interval | PX (Power Exchange) trade structure master data document containing master data changed within the Validity Time Interval (Start date/time inclusive and End date/time exclusive) |
| Z29 | PX trade structure master data document containing all valid master data within the Validity Time Interval | PX (Power Exchange) trade structure master data document containing all valid master data within the Validity Time Interval (Start date/time inclusive and End date/time exclusive) |
| Z30 | Request change of Generator Group (Regulation Object) relations | Used for master data for Resource Objects |
| Z31 | Production Plan Structure – valid for the whole time interval | Used for master data for Resources |
| Z32 | Production Plan Structure – having a start or end within the validity period | Used for master data for Resources |

| Code | Name | Description |
|------|--|--|
| Z33 | | Deprecated (use B34 instead) |
| Z34 | Market Operator Configuration Document | A document used for sending Market operator calendars. |
| Z35 | ACE OL | A document to provide Area Control Error Open Loop (ACE OL) values |
| Z36 | Power Prognoses | A document to provide power prognoses |
| Z37 | Faster than standard FAT | Bids that can support a “Full Activation Time” (FAT) that is faster than 12,5 minutes. Fast activation can be done for bids with activation time (CIM:activation_ConstraintDuration.duration) shorter than the minimum requirement for the standard product. When circumstances call for it, the TSO can order activation of such bids on a shorter notice. |
| Z38 | Faster than standard deactivation time | Fast deactivation can be done for bids with activation time (CIM:activation_ConstraintDuration.duration) shorter than the minimum requirement for the standard product. When circumstances call for it, the TSO can order activation of such bids on a shorter notice. |
| Z39 | Slower than standard FAT | Bids that can support a Full Activation Time (FAT) that is slower than 12,5 minutes. |
| Z40 | Period shift activation | Bids are activated for a shorter period than the whole Market Time Unit around period shift in order to resolve structural imbalances. |
| Z41 | Production smoothing (applicable only in Norway) | A document to provide planned quarterly adjustments the day before operation. |
| Z42 | Need for period-shift | A document used to request need for period-shift adjustments. |
| Z43 | Disturbance reserve | A document containing activation of disturbance reserves. |
| Z44 | Other non-standard reserve | A document containing activation of non-standard reserves. |
| Z45 | HVDC Load profile | A document for sending the profile for planned load distribution between two or more HVDC cables. |

2.5 Market Product Type

| Code | Name | Description |
|------------|----------------------------------|---|
| Z01 | Standalone period shift product. | To be used only when period shift is not combined with standard mFRR product (A05 or A07). Applicable only to bids in Norway. Associated multipart and exclusive bids must have the same value. |
| Z02 | Dynamic product | The market product type is dynamic. A more specific definition depends on the market in question, e.g.: Dynamic product: For entities that can provide continuous response and comply with the dynamic requirements |
| Z03 | Static product | The market product type is static. A more specific definition depends on the market in question, e.g.: Static product: For entities that have difficulties to comply with the dynamic requirements, e.g. activation/deactivation performance and dynamic stability. |
| Z04 | FCR-N product | The market product type is Frequency Containment Reserves, Normal. |

2.6 Object aggregation code

| Code | Name | Description |
|------------|--------------------------------|--|
| Z01 | Generator group | The object being described concerns a group of Reserve objects or Resource objects |
| Z02 | Mutually Regulated Areas (MRA) | The object being described concerns Mutually Regulated Areas (MRA) |

2.7 Price category type code

| Code | Name | Description |
|-------------|-------------|--|
| Z01 | Buying | The price for buying commodities in the market. |
| Z02 | Selling | The price for selling commodities in the market. |
| Z03 | Average | Average, i.e. the average price in the market. |

2.8 Process type code

| Code | Name | Description |
|------|--|--|
| Z01 | Frequency controlled reserves market | Processes related to the Frequency controlled reserves market, Primary reserves market |
| Z02 | LFC market | Processes related to the Load Frequency Control market, Secondary reserves market |
| Z03 | Balance regulation market | Processes related to the Balance regulation market, Tertiary reserves market |
| Z04 | | Deprecated (Use A58 Reserve option market) |
| Z05 | | Deprecated (Use A59 Internal trade reporting instead) |
| Z06 | Total trade | The trade balance of a party at a given time |
| Z07 | Master data | Deprecated (use "A55 Exchange of master data" instead) |
| Z08 | Common Grid Model (CGM) process | Process related to exchange of the common grid model |
| Z09 | Coordinated Security Assessment (CSA) process | Process related to exchange of the coordinated power system security assessment |
| Z10 | Outage Planning Coordination process | Process related to exchange of plans for outage coordination |
| Z11 | Short and Medium Term Adequacy Assessment (SMTA) | Process related to exchange of the short- and medium-term adequacy assessment |
| Z12 | ACE OL real-time | The process of exchanging real-time ACE OL values |
| Z13 | Corrected real time values | Reporting of real time values after validation and correction. |
| Z14 | Fast Frequency Reserve (FFR) Process | The process of exchanging information regarding the Fast Frequency Reserve (FFR). |
| Z15 | External trade | Trade outside the Capacity Calculation Region |

2.9 Reason code

| Code | Name | Description |
|------|------------------------------------|---|
| 999 | Errors not specifically identified | This code is used to identify errors that have not been specifically addressed in the Reason code list. It can be used at any level and refers to the level for which it has been identified. |
| Z01 | Operational | The given unit has a status of operational |
| Z02 | Reduced Operational | The given unit has a status of reduced operational |
| Z03 | Non-operational | The given unit has a status of non-operational |
| Z04 | Revision | The given unit is under revision |
| Z05 | Suspended | The given unit is suspended |
| Z06 | Crashed | The given unit is crashed |
| Z07 | Discarded | The given unit is discarded |
| Z11 | | Deprecated |
| Z12 | | Deprecated |
| Z13 | | Deprecated |
| Z15 | | Deprecated |
| Z16 | | Deprecated |
| Z17 | | Deprecated |
| Z18 | | Deprecated (use "B17 Price based on preliminary exchange rate" instead) |
| Z19 | | Deprecated |
| Z20 | Frequency regulation | The information provided regards a regulation for frequency purpose |
| Z21 | System regulation | The information provided regards a regulation for system purpose |
| Z22 | Supportive power | The object relates to Supportive power |
| Z23 | Special Regulation | The object relates to Special Regulation |
| Z24 | Quarterly adjustments | The object relates to Quarterly adjustments |
| Z25 | Ordinary regulation | The object relates to Ordinary regulation |
| Z26 | Transit triangle | The object relates to Transit triangle |
| Z27 | Transit redispach | The object relates to Transit redispach |

| Code | Name | Description |
|------|------------------------------------|--|
| Z28 | Transit SB Loop Long | The object relates to Transit Storebælt Loop Long |
| Z29 | FCR | Frequency Containment Reserve (FCR) is an automatic and momentarily regulation, to adjust the physical balance in the power system. |
| Z30 | aFRR | Frequency Restoration Reserve - Automatic (aFRR) is an automatic reserve, activated continuously by the frequency |
| Z31 | mFRR, Balancing Power | Frequency Restoration Reserve - Manual activated reserves (mFRR), Balancing Power |
| Z32 | mFRR, Countertrades | Frequency Restoration Reserve - Manual activated reserves (mFRR), Countertrades when TSO need to maintain (replace) transfer capacity |
| Z33 | mFRR, Peak Load Reserve Regulation | Frequency Restoration Reserve - Manual activated reserves (mFRR), Peak Load Reserve Regulation when no commercial bids are available for balancing. |
| Z34 | mFRR, Quarter regulation | Frequency Restoration Reserve - Manual activated reserves (mFRR), Quarter regulation when TSO need transfer of production (usually start 15 min earlier). |
| Z35 | mFRR, Special Regulation | Frequency Restoration Reserve - Manual activated reserves (mFRR), Special Regulation where the price is payed as bid and not archive price. |
| Z36 | Hour Change Regulation | In order to reduce problems encountered at the turn of the hour in the Nordic countries or in Finland, Fingrid reserves the right to transfer the planned changes to begin 15 minutes before or after the planned moment |
| Z37 | Power Transaction | Fixed price transaction used for specific purposes outside of ordinary regulation |
| Z38 | TSO Internal Countertrades | The time series concern TSO Internal Countertrades |
| Z39 | Day Ahead Production Adjustment | Energy (production) moved from one hour to another to avoid major changes between hours |
| Z40 | FCR-N | Frequency Containment Reserve, Normal operation (FCR-N) |
| Z41 | FCR-D | Frequency Containment Reserve, Disturbance (FCR-D) |
| Z42 | FCR – N, late | Frequency Containment Reserve, Normal operation, late |
| Z43 | FCR – N, early | Frequency Containment Reserve, Normal operation, early |
| Z44 | FCR – N, late correction | Frequency Containment Reserve, Normal operation, late correction |
| Z45 | FCR – N, early correction | Frequency Containment Reserve, Normal operation, early correction |
| Z46 | FCR – D, late | Frequency Containment Reserve, Disturbance, late |
| Z47 | FCR – D, early | Frequency Containment Reserve, Disturbance, early |
| Z48 | FCR – D, late correction | Frequency Containment Reserve, Disturbance, late correction |

| Code | Name | Description |
|------|--|---|
| Z49 | FCR – D, early correction | Frequency Containment Reserve, Disturbance, early correction |
| Z50 | Special | The object relates to Supportive power special |
| Z51 | Disturbance | The object relates to Supportive power disturbance |
| Z52 | Transit SB Loop Short | The object relates to Transit Storebælt Loop Short |
| Z53 | mFRR, System Regulation | Frequency Restoration Reserve - Manual activated reserves (mFRR), System Regulation where regulation does not affect the regulation price. |
| Z54 | Activation by AOF (Activation Optimisation Function) | AOF is a function to operate the algorithm applied for the optimisation of the activation of Balancing Energy bids within a Coordinated Balancing Area. |
| Z55 | Manual activation not based on AOF | Manual (locally) activation without use of AOF. AOF is a function to operate the algorithm applied for the optimisation of the activation of Balancing Energy bids within a Coordinated Balancing Area. |
| Z56 | Fast Frequency Reserves (FFR) | The Fast Frequency Reserve (FFR) is a power response activated within about one second when the system frequency drops below a certain level. |
| Z57 | Auction Run ID | Unique identification of a given auction. |
| Z58 | Scheduled activation | A time series concerning scheduled activation |
| Z59 | Direct activation | A time series concerning direct activation |
| Z60 | Faster activation | A time series concerning faster activation. Bids that can support a Full Activation Time (FAT) that is faster than 12,5 minutes |
| Z61 | Faster deactivation | A time series concerning early deactivation |
| Z62 | Slower activation | A time series concerning slower activation. Bids that can support a Full Activation Time (FAT) that is slower than 12,5 minutes. |
| Z63 | Period shift activation | A time series concerning period shift activation. Bids are activated for a shorter period than the whole Market Time Unit around period shift to resolve structural imbalances. |
| Z64 | Period shift, beginning of period | Bids are activated for a shorter period than the whole Market Time Unit around period shift to resolve structural imbalances, for the beginning of the period. |
| Z65 | Period shift, end of period | Bids are activated for a shorter period than the whole Market Time Unit around period shift to resolve structural imbalances, for the end of the period. |
| Z66 | Adjusted | The information in question is adjusted or a result of an adjustment. |
| Z67 | Override | The information in question is overridden or a result of an override of data. |

| Code | Name | Description |
|------|--|---|
| Z68 | Emergency | There is a need for emergency assistance using agreed product. |
| Z69 | Shadow Auction | The flow is related to shadow auction trade. |
| Z70 | Cancel | Cancellation of one or more observation(s) or operation(s). |
| Z71 | Midnight | Capacity change at midnight, |
| Z72 | Outage | Planned outage. |
| Z73 | System Operator | Manually created by System Operator. |
| Z74 | Disturbance reserve | A reserve to be used if disturbance occur. If the bids on the balancing power market are not sufficient to remedy the disturbance, the TSO can activate the disturbance reserve and brings the system into balance. |
| Z75 | aFRR correction | Correction of Automatic Frequency Restoration Reserve (aFRR). |
| Z76 | mFRR correction | Correction of Manual Frequency Restoration Reserve (mFRR). |
| Z77 | | Deprecated (Use Z54, Activation by AOF instead) |
| Z78 | | Deprecated (Use Z55, Manual activation not based on AOF instead) |
| Z79 | AOF cannot satisfy the demand with available bids | The Activation Optimisation Function (AOF) cannot satisfy the demand with available bids. |
| Z80 | Rejected by BSP | Activations are rejected by the Balancing Service Provider (BSP). |
| Z81 | BSP is unavailable | The Balancing Service Provider (BSP) is unavailable (timeout). |
| Z82 | Scheduled activation bids already chosen for direct activation | Bids selected by scheduled activation is already chosen for direct activation. |
| Z83 | Unspecified non-standard bids | Unspecified non-standard bids are used when BSPs submit bids that are not standard products (which are not going to the AOF (Activation optimisation function) or are “disturbance reserves”. It could be that they are too slow, that they do not have an e-order, that they have unsupported limitations such as minimum activation time, etc. I.e. this is the bids that are left after normal verification. |
| Z84 | Activation of own resources | The activation relates to the responsible party’s own resource(s), such as the BSPs own BRP. No compensation applies. |
| Z85 | Activation of contracted resources (no compensation) | The activation relates to a contractual activation, e.g. based on a bilateral contract between a BSP and a BRP. No compensation applies. |
| Z86 | Independent aggregation | The activation relates to an independent aggregator, i.e. is split between two or more BRPs, Energy Suppliers and or Traders. Compensation applies. |

| Code | Name | Description |
|-------------|----------------------------------|---|
| Z87 | Transit Fennoskan - FS Loop | The object relates to Transit Fennoskan - FS Loop |
| Z88 | Transit DC loop Poland - PL Loop | The object relates to Transit DC loop Poland - PL Loop |
| Z89 | Base load | Base load means that we activate a volume completely disconnected from the market to cover imbalances for operational reliability reasons. Base load can be used in certain scenarios where there are not enough bids to meet the demand that exists. |
| Z90 | Fallback | A fallback procedure has been used |
| Z91 | Requesting assistance | The sender of the document is requesting assistance |
| Z92 | Providing assistance | The sender of the document is providing assistance |
| Z93 | mFRR-D correction | Correction of Manual Frequency Restoration Reserve disturbance (mFRR-D). |
| Z94 | Transit Sydvästlänken – SE4-SE3 | The object relates to Loop SE4 - SE3 (Sydvästlänken) |
| Z95 | Time gate | A point in time relative to an operating day |
| Z96 | Rejected by operator | The result has been rejected by the operator |
| Z97 | Mitigate polarity reversals | Mitigating of polarity reversals due to frequently change of electricity flow direction. |

2.10 Role code

| Code | Name | Description |
|------|-------------------------------|---|
| Z05 | | Deprecated (Use A47, Energy Trader instead) |
| Z06 | Regional Security Coordinator | A party that coordinates regional network security issues |

2.11 Quality type code

| Code | Name | Description |
|-------------|-------------|--|
| Z01 | Calculated | The contents of the object are calculated. |

2.12 Status type code

| Code | Name | Description |
|-------------|--|--|
| Z01 | Warning | The system has experienced a problem rated as “Warning”. |
| Z02 | Emergency | The system has experienced a problem rated as “Emergency”. |
| Z03 | Normal | The system has recovered and are back to “Normal”. |
| Z04 | Not available for activation if linked bid activated | Bid not available for activation if linked bid is activated. |

3 Nordic codes used in Nordic documents

3.1 Bid type code

| Code | Name | Description |
|-------------|---------------------|--|
| Z01 | Hourly bid | The details contains hourly bid |
| Z02 | Block bid | The details contains block bid |
| Z03 | Flexible hourly bid | The details contains flexible hourly bid |
| Z04 | Profile block bid | The details contains profile block bid |

3.2 Type of Area code

| Code | Name | Description |
|------|--------------------------|---|
| Z01 | Bidding Zone (BZ) | The largest geographical area within which market participants are able to exchange energy without capacity allocation. Source: Commission Regulation (EU) 543/2013 . |
| Z02 | Metering Grid Area (MGA) | A Metering Grid Area is a physical area where consumption, production and exchange can be metered. It is delimited by the placement of meters for period measurement for input to, and withdrawal from the area. It can be used to establish the sum of consumption and production with no period measurement and network losses. |

3.3 Production type code

| Code | Name | Description |
|-------------|-------------|--|
| Z01 | Normal | A code indicating that the size of the production unit is normal |
| Z02 | Minor | A code indicating that the size of the production unit is minor |

3.4 Production Unit Type code

| Code | Name | Description |
|-------------|-------------|--|
| Z01 | Nuclear | A Production Unit based on Nuclear power |
| Z02 | Hydro | A Production Unit based on Hydro power |
| Z03 | Thermal | A Production Unit based on Thermal power |
| Z04 | Solar | A Production Unit based on Solar power |
| Z05 | Wind | A Production Unit based on Wind power |

3.5 MGA Type code

| Code | Name | Description |
|------------|----------------------------------|--|
| Z01 | Regional | The MGA represent a regional grid |
| Z02 | Only losses | Deprecated |
| Z03 | Industrial | The MGA represent an industrial grid |
| Z04 | Distribution | The MGA represent a distribution grid |
| Z05 | Non-concessional | The MGA represent a non-concessional grid |
| Z06 | Production | The MGA represent the production in a grid |
| Z07 | Transmission (main/central grid) | The MGA represent a transmission (main/central grid) |
| Z99 | Sub-Grid Area | The MGA represent a sub-gid area, i.e. a MGA that is not part of the imbalance settlement, but where a supplier change can take place. |

3.6 Settlement method code

| Code | Name | Description |
|------------|--------------|--|
| Z01 | Flex settled | Deprecated (Use "E15 Flex settled" instead) |