

# **NORDIC MARKET EXPERT GROUP**

## **NORDIC EDIEL CODE LIST LIBRARY**

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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<sup>®</sup> 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:

Ann	ENTSO-E codes
Bnn	ENTSO-E codes
Cnn	ENTSO-E codes
Enn	ebIX <sup>®</sup> codes
Nnn	NorNed codes
xxx	UN/CEFACT codes
Znn <sup>1</sup>	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-ed-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
2.0L	Ove Nesvik	20250508	<ul style="list-style-type: none"> <li>Business type codes <b>ZA3</b> and <b>ZA4</b> are approved by NMEG</li> <li>Reason type codes <b>ZA5</b> is approved by NMEG</li> <li>Business type codes <b>Z76</b> is deprecated</li> </ul>
2.0K	Ove Nesvik	20250401	<ul style="list-style-type: none"> <li>Reserved new Reason codes for Statnett: <b>ZA5</b> Additional/detailed ResourceId</li> </ul>
2.0J	Ove Nesvik	20250331	<ul style="list-style-type: none"> <li>Addition of description for Reason codes <b>Z98, Z99, ZA1, ZA2, ZA3</b> and <b>ZA4</b>.</li> <li>Addition of description for Reason codes Business type</li> </ul>

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

			code <b>ZA6</b> .
2.0I	Ove Nesvik	20250227	<ul style="list-style-type: none"> <li>Reserved new Reason codes for Statnett:               <ul style="list-style-type: none"> <li><b>Z98</b> Static reserve</li> <li><b>Z99</b> Dynamic reserve</li> <li><b>ZA1</b> Reference Incident</li> <li><b>ZA2</b> Normal Imbalances</li> <li><b>ZA3</b> Non-standard products</li> <li><b>ZA4</b> Other</li> </ul> </li> <li>Reserved new Business type code for Statnett:               <ul style="list-style-type: none"> <li><b>ZA6</b> Satisfied capacity procurement demand</li> </ul> </li> </ul>
2.0H	Ove Nesvik	20250204	<ul style="list-style-type: none"> <li>Addition of new Business Type code, requested by Statnett:               <ul style="list-style-type: none"> <li><b>ZA5</b> Expected imbalance</li> </ul> </li> </ul>
2.0G	Ove Nesvik	20241218	<ul style="list-style-type: none"> <li>Addition of new Reason code for “Energinet/Svenska kraftnät”:               <ul style="list-style-type: none"> <li><b>Z97</b> Mitigate polarity reversals</li> </ul> </li> <li>Reserved new Business Type codes for Svenska kraftnät/Nordic RCC:               <ul style="list-style-type: none"> <li><b>ZA3</b> Capacity reservation Reference Incident</li> <li><b>ZA4</b> Capacity reservation Normal Imbalance</li> </ul> </li> </ul>
2.0F	Ove Nesvik	20240912	<ul style="list-style-type: none"> <li>Renamed Contract Type code “<b>Z07</b> Intraday Auction Combined” to “<b>Z07</b> Intraday Auction Aggregated”</li> <li>Added new Business Type codes:               <ul style="list-style-type: none"> <li><b>ZA1</b> HVDC Power distribution</li> <li><b>ZA2</b> Imbalance losses</li> </ul> </li> <li>Added new Document Type codes:               <ul style="list-style-type: none"> <li><b>Z45</b> HVDC Load profile</li> </ul> </li> <li>Added new Reason codes:               <ul style="list-style-type: none"> <li><b>Z94</b> Transit DC Loop SE4-SE3 Sydvästlänken</li> <li><b>Z95</b> Time gate</li> <li><b>Z96</b> Rejected by operator</li> </ul> </li> </ul>
2.0E	Ove Nesvik	20240809	<ul style="list-style-type: none"> <li>Reserved new Business Type code for “Nordic settlement group”:               <ul style="list-style-type: none"> <li><b>ZA2</b> Imbalance losses</li> </ul> </li> </ul>
2.0D	Ove Nesvik	20240718	<ul style="list-style-type: none"> <li>Reserved new Contract Type code for eSett:               <ul style="list-style-type: none"> <li><b>Z07</b> Intraday Auction Combined</li> </ul> </li> </ul>
2.0C	Ove Nesvik	20240628	<ul style="list-style-type: none"> <li>Reserved new Business Type code for SvK and Fingrid:               <ul style="list-style-type: none"> <li><b>ZA1</b> HVDC Power distribution</li> </ul> </li> <li>Reserved new Document Type code for SvK and Fingrid               <ul style="list-style-type: none"> <li><b>Z45</b> HVDC Load profile</li> </ul> </li> <li>Reserved new Reason Type codes for SvK:               <ul style="list-style-type: none"> <li><b>Z94</b> Transit Sydvästlänken – SE4-SE3</li> <li><b>Z95</b> Time gate</li> </ul> </li> </ul>

2.0B	Ove Nesvik	20240612	<ul style="list-style-type: none"> <li>• Addition of new Reason code <b>Z93</b> mFRR-D correction</li> <li>• Addition of a description for Reason code <b>Z90</b></li> <li>• Removed Contract type, including the codes <b>Z01</b> and <b>Z02</b></li> <li>• Updated definitions of Market Product Type <b>Z02</b> and <b>Z03</b></li> </ul>
2.0A	Ove Nesvik	20240515	<ul style="list-style-type: none"> <li>• Deprecated three Business Types:  <b>Z97</b> <b>Z98</b> <b>Z99Z37</b> Faster than standard FAT  <b>Z38</b> Faster than standard deactivation time  <b>Z39</b> Slower than standard FAT </li> </ul>
1.10A	Ove Nesvik	20240410	<ul style="list-style-type: none"> <li>• Addition of new Reason codes  <b>Z89</b> Base load  <b>Z90</b> Fallback  <b>Z91</b> Requesting assistance  <b>Z92</b> Providing assistance </li> <li>• Addition of new Business Type Code:  <b>ZA0</b> Missing response </li> <li>• Addition of new Status Type Code:  <b>Z04</b> Not available for activation if linked bid activated </li> <li>• Addition of new Document Type Codes:  <b>Z43</b> A document containing activation of disturbance reserves.  <b>Z44</b> A document containing activation of non-standard reserves. </li> </ul>
1.9I	Ove Nesvik	20240315	<ul style="list-style-type: none"> <li>• Reserved a set of Reason codes for Statnett:  <b>Z90</b> Fallback  <b>Z91</b> Requesting assistance  <b>Z92</b> Providing assistance </li> </ul>
1.9H	Ove Nesvik	20240315	<ul style="list-style-type: none"> <li>• Reserved Reason code “<b>Z89</b>, Base load” for Svenska kraftnät (NBM)</li> <li>• Deprecated Reason code <b>Z77</b> and <b>Z78</b> – use <b>Z54</b> and <b>Z55</b> instead.</li> </ul>
1.9G	Ove Nesvik	20240301	<ul style="list-style-type: none"> <li>• Updated name and description of Market Product Type <b>Z02</b> and <b>Z03</b></li> <li>• Addition of Market Product Type “<b>Z04</b> FCR-N product”</li> </ul>
1.9F	Ove Nesvik	20240301	<ul style="list-style-type: none"> <li>• Update of description of the Reason codes <b>Z28</b> and <b>Z52</b></li> <li>• Addition of two new Reason codes:  <b>Z87</b> Transit Fennoskan: FS Loop  <b>Z88</b> Transit DC loop Poland: PL Loop </li> </ul>
1.9E	Ove Nesvik	20240209	<ul style="list-style-type: none"> <li>• Update of name and description of the Reason codes <b>Z84</b> and <b>Z85</b></li> <li>• Deprecated Settlement method code “<b>Z01</b> Flex settled”</li> </ul>
1.9D	Ove Nesvik	20240126	<ul style="list-style-type: none"> <li>• Addition of new Reason codes:  <b>Z84</b> Activation of own resources as BRP/RE </li> </ul>

			<p><b>Z85</b> Activation of contracted resources <b>as contractual BSP</b> (no compensation)</p> <p><b>Z86</b> Independent aggregation</p>
1.9C	Ove Nesvik	20240111	<ul style="list-style-type: none"> <li>Update of definition of the Market Product Types <b>Z02</b> and <b>Z03</b>.</li> </ul>
1.9B	Ove Nesvik	20231206	<ul style="list-style-type: none"> <li>Update of definition of Reason code <b>Z74</b></li> </ul>
1.9A	Ove Nesvik	20231106	<ul style="list-style-type: none"> <li>Update of definition of Nordic Market Product types: <ul style="list-style-type: none"> <li><b>Z02</b> Dynamic FCR-D product.</li> <li><b>Z03</b> Static FCR-D product.</li> </ul> </li> <li>Updated definition of Business Type code: <ul style="list-style-type: none"> <li><b>Z76</b> Day ahead prices used for CZC forecast calculation.</li> </ul> </li> <li>Addition of Reason code: <ul style="list-style-type: none"> <li><b>Z83</b> Unspecified non-standard bids</li> </ul> </li> </ul>
1.8A	Ove Nesvik	20231023	<ul style="list-style-type: none"> <li>Addition of Reason codes for the 1<sup>st</sup> repetition of the Reason class in the Ediel ERRP Reserve Allocation Result Document: <ul style="list-style-type: none"> <li><b>Z77</b> aFRR AOF activation</li> <li><b>Z78</b> aFRR non-AOF activation</li> <li><b>Z79</b> AOF cannot satisfy the demand with available bids</li> <li><b>Z80</b> Rejected by BSP</li> <li><b>Z81</b> BSP is unavailable</li> <li><b>Z82</b> Scheduled activation bids already chosen for direct activation</li> </ul> </li> </ul>
1.7B	Ove Nesvik	20230705	<ul style="list-style-type: none"> <li>Addition of new Market Product types: <ul style="list-style-type: none"> <li><b>Z02</b> Dynamic FCR-D product</li> <li><b>Z03</b> Static FCR-D product</li> </ul> </li> </ul>
1.7A	Ove Nesvik	20230626	<ul style="list-style-type: none"> <li>Addition of new code list “Contract types”, with the following Nordic codes: <ul style="list-style-type: none"> <li><b>Z01</b> First auction</li> <li><b>Z02</b> Second auction</li> </ul> </li> </ul>
1.6J	Ove Nesvik	20230301	<ul style="list-style-type: none"> <li>Addition of Reason codes <ul style="list-style-type: none"> <li><b>Z73</b> System Operator</li> <li><b>Z74</b> Disturbance reserve</li> <li><b>Z75</b> aFRR correction</li> <li><b>Z76</b> mFRR correction</li> </ul> </li> <li>Rename of Reason codes <b>Z60</b>, <b>Z61</b> and <b>Z62</b> from slow/fast to Slower/Faster</li> <li>Renamed FRR-A to aFRR and FRR-M to mFRR</li> </ul>
1.6I	Ove Nesvik	20230124	<ul style="list-style-type: none"> <li>Addition of Reason codes “<b>Z71</b> Midnight” and “<b>Z72</b> Outage”</li> <li>Replaced Resource Object with Resource in the codes <b>Z13</b>, <b>Z31</b> and <b>Z32</b> in the Document type code list.</li> </ul>

1.6H	Ove Nesvik	20221031	<ul style="list-style-type: none"> <li>Addition of Reason codes for NBM: <ul style="list-style-type: none"> <li><b>Z66</b> Adjusted (The information in question is adjusted or a result of an adjustment).</li> <li><b>Z67</b> Override (The information in question is overridden or a result of an override of data).</li> <li><b>Z68</b> Emergency (There is a need for emergency assistance using agreed product).</li> <li><b>Z69</b> Shadow Auction (The flow is related to shadow auction trade).</li> <li><b>Z70</b> Cancel (Cancellation of one or more observation(s) or operation(s)).</li> </ul> </li> <li>Rename of Reason codes: <ul style="list-style-type: none"> <li><del>Z50 Supportive power s</del> <b>S</b>pecial (The object relates to Supportive power special)</li> <li><del>Z51 Supportive power d</del> <b>D</b>isturbance (The object relates to Supportive power disturbance)</li> </ul> </li> <li>Renamed Type of Area code <b>Z01</b> from “Market Balance Area” to “Bidding Zone”.</li> <li>Rename of Document type code <b>Z11</b> from “Market Balance Area (MBA) Master Data document” to “Bidding Zone (BZ) Master Data document”</li> </ul>
1.6G	Ove Nesvik	20220607	<ul style="list-style-type: none"> <li>Updated definitions of Document Type codes <b>Z41</b> and <b>Z42</b>.</li> </ul>
1.6F	Ove Nesvik	20220313	<ul style="list-style-type: none"> <li>Deprecated Asset types: <b>Z03</b>, <b>Z04</b>, <b>Z05</b> and <b>Z08</b>.</li> <li>Addition of Status Type code <b>Z01</b>, <b>Z02</b> and <b>Z03</b>.</li> </ul>
1.6E	Ove Nesvik	20220112	<ul style="list-style-type: none"> <li>The Document Types “Faster than standard FAT” (<b>Z37</b>), “Faster than standard deactivation time” (<b>Z38</b>) and “Slower than standard FAT” (<b>Z39</b>) are deprecated.</li> <li>The Business Types “Faster than standard FAT” (<b>Z97</b>), “Faster than standard deactivation time” (<b>Z98</b>) and “Slower than standard FAT” (<b>Z99</b>) are added.</li> </ul>
1.6D	Ove Nesvik	20211110	<ul style="list-style-type: none"> <li>Addition of new Document type codes: <ul style="list-style-type: none"> <li><b>Z41</b> Production smoothing (applicable only in Norway)</li> </ul> </li> <li>Addition of new Market Product Type: <ul style="list-style-type: none"> <li><b>Z01</b> Standalone period shift product</li> </ul> </li> </ul>
1.6C	Ove Nesvik	20211012	<ul style="list-style-type: none"> <li>Addition of definitions for <ul style="list-style-type: none"> <li>Role code <b>Z06</b></li> <li>Process type code <b>Z08</b>, <b>Z09</b>, <b>Z10</b> og <b>Z11</b></li> </ul> </li> </ul>
1.6B	Ove Nesvik	20210826	<ul style="list-style-type: none"> <li>Addition of Quality Type code <b>Z01</b> Calculated</li> <li>Addition of a comment to Document type <b>Z37</b>, <b>Z38</b> and <b>Z39</b>: “Proposed by NMEG to be moved to the Business type code list”</li> </ul>
1.6A	Ove Nesvik	20210623	<ul style="list-style-type: none"> <li>Addition of Document Type <b>Z37</b> to <b>Z40</b></li> <li>Addition of Reason codes <b>Z58</b> to <b>Z65</b></li> </ul>

1.5.Q	Ove Nesvik	20210325	<ul style="list-style-type: none"> <li>• Addition of Reason code “<b>Z57</b> Auction Run ID”</li> <li>• Business Type code <b>Z69</b> Metered frequency is deprecated – use <b>C57</b> Metered frequency instead</li> </ul>
1.5.P	Ove Nesvik	20210209	<ul style="list-style-type: none"> <li>• “Deprecated” is removed from Business Type <b>Z49</b> and <b>Z51</b></li> </ul>
1.5.O	Ove Nesvik	20210121	<ul style="list-style-type: none"> <li>• Addition of new Process Type <b>Z15</b> External trade.</li> </ul>
1.5.N	Ove Nesvik	20210114	<ul style="list-style-type: none"> <li>• The “Deprecated” mark on the Document Type <b>Z15</b> is removed.</li> </ul>
1.5.M	Ove Nesvik	20201215	<ul style="list-style-type: none"> <li>• Addition of new Reason Code <b>Z56</b> FFR.</li> </ul>
1.5.L	Ove Nesvik	20201015	<ul style="list-style-type: none"> <li>• «deprecated» codes that have got a new official ENTSO-E code: <ul style="list-style-type: none"> <li>○ Role type: <ul style="list-style-type: none"> <li><b>Z05</b> Trader -&gt; <b>A47</b> Energy Trader</li> </ul> </li> <li>○ Business Types: <ul style="list-style-type: none"> <li><b>Z02</b> Frequency bias -&gt; <b>C25</b> Frequency bias</li> <li><b>Z03</b> Frequency Containment Reserves, Normal (FCR-N) -&gt; <b>C26</b> Frequency Containment Reserves, Normal (FCR-N)</li> <li><b>Z06</b> Frequency Containment Reserves, Disturbance (FCR-D) -&gt; <b>C27</b> Frequency Containment Reserves, Disturbance (FCR-D)</li> <li><b>Z52</b> Small scale production -&gt; <b>C29</b> Small scale production</li> <li><b>Z32</b> System price -&gt; <b>C30</b> System price</li> </ul> </li> <li>○ Process type: <ul style="list-style-type: none"> <li><b>Z05</b> Bilateral trade -&gt; <b>A59</b> Internal trade reporting</li> <li><b>Z04</b> Reserve option market -&gt; <b>A58</b> Reserve option market</li> </ul> </li> </ul> </li> </ul>
1.5.K	Ove Nesvik	20200921	<ul style="list-style-type: none"> <li>• The following Asset Type Codes are no longer «deprecated»: <ul style="list-style-type: none"> <li><b>Z04</b> Thermal</li> <li><b>Z05</b> Wind</li> </ul> </li> <li>• The following code Asset Type Code is added: <ul style="list-style-type: none"> <li><b>Z08</b> wave</li> </ul> </li> </ul>
1.5.J	Ove Nesvik	20200818	<ul style="list-style-type: none"> <li>• New Business Type: <ul style="list-style-type: none"> <li><b>Z95</b> Non-conform load schedule</li> <li><b>Z96</b> Conform load schedule</li> </ul> </li> <li>• Updated the definition of Reason code <b>Z35</b></li> <li>• New Reason codes: <ul style="list-style-type: none"> <li><b>Z53</b> mFRR, System Regulation</li> <li><b>Z54</b> Activation by AOF (Activation Optimisation Function)</li> </ul> </li> </ul>



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

			<ul style="list-style-type: none"> <li>• Addition of Document Types Z24 to Z33</li> <li>• Addition of Process Types Z08 to Z11</li> <li>• Addition of Reason Codes Z40 to Z41</li> <li>• Addition of Role Code Z06</li> </ul>
1.5.A	Ove Nesvik	20180425	<ul style="list-style-type: none"> <li>• Addition of Trade Structure Document Types: <ul style="list-style-type: none"> <li><b>Z24</b> Request Bilateral Trade Structure Document</li> <li><b>Z25</b> Request PX Trade Structure Document</li> <li><b>Z26</b> Bilateral trade structure master data document containing <b>master data changed</b> within the Validity Time Interval</li> <li><b>Z27</b> Bilateral trade structure master data document containing <b>all valid master data</b> within the Validity Time Interval</li> <li><b>Z28</b> PX trade structure master data document containing <b>master data changed</b> within the Validity Time Interval</li> <li><b>Z29</b> PX trade structure master data document containing <b>all valid master data</b> within the Validity Time Interval</li> </ul> </li> </ul>
1.4.B	Ove Nesvik	20170419	<ul style="list-style-type: none"> <li>• Rename of Document Type codes: <ul style="list-style-type: none"> <li><b>Z12</b> Request change of retailer consumption master data</li> <li><b>Z13</b> Request change of Resource Object master data</li> <li><b>Z18</b> Party Relation Master Data Document containing master data changed within the Validity Time Interval</li> <li><b>Z19</b> Party Relation Master Data Document containing all valid master data within the Validity Time Interval</li> </ul> </li> <li>• Rename of Document Type codes to: <ul style="list-style-type: none"> <li><b>Z20</b> Retailer consumption master data document containing master data changed within the Validity Time Interval</li> <li><b>Z21</b> Retailer consumption master data document containing all valid master data within the Validity Time Interval</li> <li><b>Z22</b> Resource Object master data document containing master data changed within the Validity Time Interval</li> <li><b>Z23</b> Resource Object master data document containing all valid master data within the Validity Time Interval</li> </ul> </li> </ul>
1.4.A	Ove Nesvik	20170419	<ul style="list-style-type: none"> <li>• Addition of Price category type codes: <ul style="list-style-type: none"> <li><b>Z01</b> Buying</li> <li><b>Z02</b> Selling</li> <li><b>Z03</b> Average</li> </ul> </li> <li>• Added Document Type Codes <b>Z20, Z21, Z22 and Z23</b></li> </ul>

			<ul style="list-style-type: none"> <li>• Rephrased Document Type Codes <b>Z12</b> and <b>Z13</b></li> <li>• Updated logos on the front page</li> <li>Removed NPS</li> </ul>
1.3.H	Ove Nesvik	20170213	<ul style="list-style-type: none"> <li>• Textual corrections: <ul style="list-style-type: none"> <li>◦ Updated logos on the front page</li> </ul> </li> <li>• Updated NTC and NEG member list</li> </ul>
1.3.G	Ove Nesvik	20161121	<ul style="list-style-type: none"> <li>• Added Document Types: <ul style="list-style-type: none"> <li><b>Z18</b> Party Relation Master Data Document where Validity Start and/or Validity End are within the Validity Period”</li> <li><b>Z19</b> Party Relation Master Data Document where relations are valid sometime within the Validity Period”</li> </ul> </li> </ul>
1.3.F	Ove Nesvik	20160629	<ul style="list-style-type: none"> <li>• Addition of Document type <b>Z17</b> Spot Market Bid Status Report</li> </ul>
1.3.E	Ove Nesvik	20160525	<ul style="list-style-type: none"> <li>• Addition of <b>Z99</b> Sub-Grid Area</li> </ul>
1.3.D	Ove Nesvik	20150904	<ul style="list-style-type: none"> <li>• MGA type “<b>Z02</b> Only losses” is deprecated</li> </ul>
1.3.C	Ove Nesvik	20150623	<ul style="list-style-type: none"> <li>• Addition of Business type <b>Z68</b> Production Unit own consumption</li> </ul>
1.3.B	Ove Nesvik	20150519	<ul style="list-style-type: none"> <li>• Rename of Production Unit Type code to Production Type code</li> </ul>
1.3.A	Ove Nesvik	20150503	<ul style="list-style-type: none"> <li>• Addition of Production unit type code and the codes <ul style="list-style-type: none"> <li><b>Z01</b> Normal</li> <li><b>Z02</b> Minor</li> </ul> </li> </ul>
1.2.A	Ove Nesvik	20150421	<ul style="list-style-type: none"> <li>• Addition of MGA Type: <ul style="list-style-type: none"> <li><b>Z07</b> Transmission (main/central) grid</li> </ul> </li> </ul>
Draft 1.2.A	Ove Nesvik	20150130	<ul style="list-style-type: none"> <li>• Addition of Asset Type: <ul style="list-style-type: none"> <li><b>Z07</b> Consumption”</li> </ul> </li> <li>• Addition of Object aggregation: <ul style="list-style-type: none"> <li><b>Z01</b> Generator group</li> </ul> </li> </ul>
Draft 1.2.A	Ove Nesvik	20141001	Addition of Reason codes <b>Z29-Z39</b>
Draft 1.2.A	Ove Nesvik	20140717	<ul style="list-style-type: none"> <li>• Deprecation of Business Type Codes: <ul style="list-style-type: none"> <li><b>Z53 (B14)</b> Production deviation</li> <li><b>Z54 (B15)</b> Consumption deviation</li> <li><b>Z55 (B20)</b> Balance up regulation price</li> <li><b>Z56 (B21)</b> Balance down regulation price</li> <li><b>Z57 (B22)</b> Main direction</li> <li><b>Z58 (B23)</b> Consumption imbalance price</li> <li><b>Z59 (B24)</b> Production sales imbalance price</li> <li><b>Z60 (B25)</b> Production purchase imbalance price</li> <li><b>Z61 (B26)</b> Average balance price between MBAs</li> <li><b>Z62 (B27)</b> Pumped</li> </ul> </li> </ul>

			<b>Z63 (B28)</b> Large installation consumption <b>Z65 (B29)</b> MGA imbalance
1.1.A	Ove Nesvik	20140422	<ul style="list-style-type: none"> <li>• Addition of Business Type codes:               <ul style="list-style-type: none"> <li><b>Z55</b> Balance up regulation price</li> <li><b>Z56</b> Balance down regulation price</li> <li><b>Z57</b> Main direction</li> <li><b>Z58</b> Consumption imbalance price</li> <li><b>Z59</b> Production sales imbalance price</li> <li><b>Z60</b> Production purchase imbalance price</li> <li><b>Z61</b> Middle balance price between MBAs</li> <li><b>Z62</b> Pumped</li> <li><b>Z63</b> Large installation consumption</li> <li><b>Z64</b> Internal trade difference</li> <li><b>Z65</b> MGA imbalance</li> </ul> </li> <li>• Addition of Document Type codes:               <ul style="list-style-type: none"> <li><b>Z10</b> Connected Metering Grid Area (MGA) document</li> <li><b>Z11</b> Market Balance Area (MBA) structure document</li> </ul> </li> <li>• Addition of new code list, Type of Area code:               <ul style="list-style-type: none"> <li><b>Z01</b> Market Balance Area (MBA)</li> <li><b>Z02</b> Metering Grid Area (MGA)</li> </ul> </li> </ul>
1.0.B	Ove Nesvik	20140207	<ul style="list-style-type: none"> <li>• Addition of Bid Type Code:               <ul style="list-style-type: none"> <li><b>Z04</b> Profile block bid</li> </ul> </li> <li>• Addition of Business Type Codes:               <ul style="list-style-type: none"> <li><b>Z53</b> Production deviation</li> <li><b>Z54</b> Consumption deviation</li> </ul> </li> </ul>
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
<b>Z01</b>		<b>Deprecated</b> (use <b>A08</b> Busbar instead)
<b>Z02</b>		<b>Deprecated</b> (not used anymore)
<b>Z03</b>	Transformer station	<b>Deprecated</b> (Use <b>B23</b> instead)
<b>Z04</b>	Thermal	<b>Deprecated</b> (Use <b>B37</b> instead)
<b>Z05</b>	Wind	<b>Deprecated</b> (Use <b>B30</b> instead)
<b>Z06</b>		<b>Deprecated</b> (Use “ <b>B10</b> Hydro Pumped Storage”, “ <b>B11</b> Hydro Run-of-river and pondage” or “ <b>B12</b> Hydro Water Reservoir” instead)
<b>Z07</b>		<b>Deprecated</b> (Use “ <b>A05</b> Load” instead)
<b>Z08</b>	Wave	<b>Deprecated</b> (Use <b>B34</b> instead)

## 2.2 Business type code

Code	Name	Description
<b>N03</b>	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)
<b>N04</b>	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)
<b>Z01</b>		<b>Deprecated</b> (Use <b>A77</b> , <i>Production, dispatchable</i> instead)
<b>Z02</b>		<b>Deprecated</b> (Use <b>C25</b> , <i>Frequency bias</i> instead)
<b>Z03</b>		<b>Deprecated</b> (Use <b>C26</b> , <i>Frequency Containment Reserve-Normal (FCR-N)</i> instead)
<b>Z04</b>		<b>Deprecated</b> (Use <b>A78</b> , <i>Consumption, dispatchable</i> instead)
<b>Z05</b>	Net internal trade counterpart	Net internal trade as reported from the counterpart, used during matching procedure.
<b>Z06</b>		<b>Deprecated</b> (Use <b>C27</b> , <i>Frequency Containment Reserve-Disturbance (FCR-D)</i> instead)
<b>Z07</b>		<b>Deprecated</b> (Use <b>A70</b> , <i>Production, unavailable</i> instead)
<b>Z08</b>	Trade, unconfirmed	The trade plan of an actor when not matched against a counterpart, used during matching procedure.
<b>Z09</b>		<b>Deprecated</b> (Use <b>A89</b> , <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))
<b>Z10</b>		<b>Deprecated</b> (Use <b>A10</b> , <i>tertiary reserves</i> )
<b>Z11</b>		<b>Deprecated</b> (Use <b>A12</b> , <i>Secondary control (A time series concerning secondary reserve)</i> )

<b>Z12</b>	Total primary reserve	Sum of all primary reserves
<b>Z13</b>	Balance regulation activations	Activations of tertiary reserves in the Balance regulation market
<b>Z14</b>	System operator adjustment	Proposed adjustment by the <i>System operator</i> , used during matching procedure.
<b>Z15</b>	Result of an automatic System operator adjustment	Forced adjustment by the <i>System operator</i> , used during matching procedure.
<b>Z16</b>	Market schedules difference	Difference between own and counterparty market schedules, used during matching procedure.
<b>Z17</b>	Technical minimum	Technical minimum possible, under minimum, Resource Object having the possibility of using overload areas.
<b>Z18</b>	Technical maximum	Technical maximum possible, maximum incl. overload, Resource Object having the possibility of using overload areas.
<b>Z19</b>	Total maximum production	Schedule for maximum total production.
<b>Z20</b>	Total minimum production	Schedule for minimum total production.
<b>Z21</b>	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.
<b>Z22</b>	Maximum production capacity	Maximum total value of planned production.
<b>Z23</b>	Minimum production capacity	Minimum total value of planned production
<b>Z24</b>	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.
<b>Z25</b>		<b>Deprecated</b> Use <b>A66</b> , <i>Energy flow</i> , together with an object aggregation element
<b>Z26</b>		<b>Deprecated</b> Use <b>A23</b> , <i>Balance management</i>
<b>Z27</b>	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.

		<b><i>This is a permanent Nordic code.</i></b>
<b>Z28</b>	Balance regulation power	Offered tertiary reserves to the Balance regulation market
<b>Z29</b>	Reserves option power	Offered tertiary reserves to the Reserves option market
<b>Z30</b>		<b>Deprecated</b> i.e. not used
<b>Z31</b>		<b>Deprecated</b> (Use <b>A79</b> , <i>Production, non-dispatchable</i> instead)
<b>Z32</b>		<b>Deprecated</b> (Use <b>C30</b> <i>System price</i> instead)
<b>Z33</b>		<b>Deprecated</b> (this information should be found as <i>Process type</i> at the header level)
<b>Z34</b>		<b>Deprecated</b> (this information should be found as <i>Process type</i> at the header level)
<b>Z35</b>	Commercial bid	The time series provides commercial bids.
<b>Z36</b>	Reserve bid	The time series provides reserve bids.
<b>Z37</b>	Primary reserves activations	Activations of primary reserves
<b>Z38</b>	Hydro production	The business being described concerns production based on hydro power
<b>Z39</b>	Nuclear production	The business being described concerns production based on nuclear power
<b>Z40</b>	Thermal production	The business being described concerns production based on thermal power
<b>Z41</b>	Wind production	The business being described concerns production based on wind power
<b>Z42</b>	Decentralised production	The business being described concerns production based on decentralised power
<b>Z43</b>	Gas turbine and diesel production	The business being described concerns production based on gas turbine and diesel power
<b>Z44</b>	Other thermal production	The business being described concerns production based on other thermal power
<b>Z45</b>	Disturbance on the Link	Nordic code (currently used by SwePol)



<b>Z46</b>	System Operator redispatching, in case of ASP special	Nordic code (currently used by SwePol)
<b>Z47</b>	Loop Flow	Nordic code (currently used by SwePol)
<b>Z48</b>	Number of return cables	Nordic code (currently used by SwePol)
<b>Z49</b>	Commercial production	The time series provides commercial bids based on production
<b>Z50</b>	Commercial wind production	The time series provides commercial bids based on wind production
<b>Z51</b>	Commercial consumption	The time series provides commercial bids based on consumption
<b>Z52</b>		<b>Deprecated</b> (Use <b>C29</b> <i>Small scale production</i> )
<b>Z53</b>		<b>Deprecated</b> (Use <b>B14</b> instead)
<b>Z54</b>		<b>Deprecated</b> (Use <b>B15</b> instead)
<b>Z55</b>		<b>Deprecated</b> (Use <b>B20</b> instead)
<b>Z56</b>		<b>Deprecated</b> (Use <b>B21</b> instead)
<b>Z57</b>		<b>Deprecated</b> (Use <b>B22</b> instead)
<b>Z58</b>		<b>Deprecated</b> (Use <b>B23</b> instead)
<b>Z59</b>		<b>Deprecated</b> (Use <b>B24</b> instead)
<b>Z60</b>		<b>Deprecated</b> (Use <b>B25</b> instead)
<b>Z61</b>		<b>Deprecated</b> (Use <b>B26</b> instead)
<b>Z62</b>		<b>Deprecated</b> (Use <b>B27</b> instead)

<b>Z63</b>		<b>Deprecated</b> (Use B28 instead)
<b>Z64</b>	Internal trade difference	A time series concerning internal trade difference, <b>within</b> 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.
<b>Z65</b>		<b>Deprecated</b> (Use B29 instead)
<b>Z66</b>	Last resort	A time series concerning consumption handled by supplier of last resort
<b>Z67</b>	TRM	Transmission Reliability Margin
<b>Z68</b>	Production Units own consumption	The consumption of one or more Production Units
<b>Z69</b>		<b>Deprecated</b> (use “C57 Metered frequency” instead)
<b>Z70</b>		<b>Deprecated</b> (use “C17 Market price and total volume” instead)
<b>Z71</b>		<b>Deprecated</b> (use “C18 Import price” instead)
<b>Z72</b>		<b>Deprecated</b> (use “C19 Capacity allocated (excluding price)” instead)
<b>Z73</b>	Fast active disturbance reserve	The <b>fast active disturbance reserve</b> 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> .
<b>Z74</b>	Imbalance sales price	A time series concerning imbalance prices for sales
<b>Z75</b>	Imbalance purchase price	A time series concerning imbalance prices for purchase
<b>Z76</b>		<b>Deprecated</b> (Not used)
<b>Z77</b>	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.
<b>Z78</b>	Upper Alert	A time series concerning the upper limit before an alarm is raised
<b>Z79</b>	Upper Emergency	A time series concerning the upper limit before an emergency is raised
<b>Z80</b>	Lower Alert	A time series concerning the lower limit before an alarm is raised
<b>Z81</b>	Lower Emergency	A time series concerning the lower limit before an emergency is raised
<b>Z82</b>	Upper Warning	A time series concerning the upper limit before a warning is raised
<b>Z83</b>	Lower Warning	A time series concerning the lower limit before a warning is raised
<b>Z84</b>	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.
<b>Z85</b>	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.
<b>Z86</b>	Frequency nadir	A time series concerning the expected lowest value of the frequency, after a disturbance.
<b>Z87</b>	Reference incident	A time series concerning the expected maximum incident size in MW.
<b>Z88</b>	Total planned flow	A time series concerning total planned flow of power between areas.
<b>Z89</b>	Expected countertrade	The planned supportive power corrections.
<b>Z90</b>	Power Plan Trade	Sum of planned flow considering the Day ahead and Intraday market.
<b>Z91</b>	Loop transit	Flow resulting from agreed loop flows and transit agreement.
<b>Z92</b>	Agreed supportive power (ASP)	Flow from agreed supportive power.
<b>Z93</b>	Production adjustments	Period shift products activated in the balancing time frame where the activation and need are in different areas.
<b>Z94</b>	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.

<b>Z95</b>	Non-conform load schedule	Non-Conform Load Schedule: Loads that do not follow a daily and seasonal load variation pattern.
<b>Z96</b>	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.
<b>Z97</b>		<b>Deprecated</b> (Use ENTSO-E code “ <b>C83</b> Faster than standard FAT” instead).
<b>Z98</b>		<b>Deprecated</b> (Use ENTSO-E code “ <b>C84</b> Faster than standard deactivation time” instead).
<b>Z99</b>		<b>Deprecated</b> (Use ENTSO-E code “ <b>C85</b> Slower than standard FAT” instead).
<b>ZA0</b>	Missing response	A response is missing, such as related activations, heartbeat tests.
<b>ZA1</b>	HVDC Power distribution	A profile for planned load distribution between two or more HVDC cables.
<b>ZA2</b>	Imbalance losses	Imbalance losses are the difference between procured losses from Market Coupling and actual losses.
<b>ZA3</b>	Capacity reservation Reference Incident	Extraordinary mFRR allocation concerning Reference Incident.
<b>ZA4</b>	Capacity reservation Normal Imbalance	Extraordinary mFRR allocation concerning Normal Imbalance.
<b>ZA5</b>	Expected imbalance	A time series to provide the expected (the prognosis of) energy imbalances for a given period.
<b>ZA6</b>	Satisfied capacity procurement demand	How much of the demand for capacity that has been satisfied by the market.

### 2.3 Contract type code

Code	Name	Description
<b>Z07</b>	Intraday Auction Aggregated	Nets together all different Intraday Auctions into a single value

## 2.4 Document type code

Code	Name	Description
Z01		<b>Deprecated</b> (Use <b>A14</b> , Resource Provider Resource Schedule (Operational schedule))
Z02		<b>Deprecated</b> (Use <b>A04</b> , 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		<b>Deprecated</b> (use “ <b>B35</b> 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	<b>Deprecated</b> (use “ <b>B37</b> Connected Area Document” instead)
Z11	Bidding Zone (BZ) Master Data document	<b>Deprecated</b> (use “ <b>B36</b> 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		<b>Deprecated</b>
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.

Code	Name	Description
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)
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)

Code	Name	Description
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
Z33		<b>Deprecated</b> (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.



Code	Name	Description
<b>Z40</b>	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.
<b>Z41</b>	Production smoothing (applicable only in Norway)	A document to provide planned quarterly adjustments the day before operation.
<b>Z42</b>	Need for period-shift	A document used to request need for period-shift adjustments.
<b>Z43</b>	Disturbance reserve	A document containing activation of disturbance reserves.
<b>Z44</b>	Other non-standard reserve	A document containing activation of non-standard reserves.
<b>Z45</b>	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
<b>Z01</b>	Standalone period shift product.	<p>To be used only when period shift is not combined with standard mFRR product (A05 or A07). Applicable only to bids in Norway.</p> <p>Associated multipart and exclusive bids must have the same value.</p>
<b>Z02</b>	Dynamic product	<p>The market product type is dynamic.</p> <p>A more specific definition depends on the market in question, e.g.:</p> <p>Dynamic product: For entities that can provide continuous response and comply with the dynamic requirements</p>
<b>Z03</b>	Static product	<p>The market product type is static.</p> <p>A more specific definition depends on the market in question, e.g.:</p> <p>Static product: For entities that have difficulties to comply with the dynamic requirements, e.g. activation/deactivation performance and dynamic stability.</p>
<b>Z04</b>	FCR-N product	<p>The market product type is Frequency Containment Reserves, Normal.</p>

**2.6 Object aggregation code**

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

**2.7 Price category type code**

<b>Code</b>	<b>Name</b>	<b>Description</b>
<b>Z01</b>	Buying	The price for buying commodities in the market.
<b>Z02</b>	Selling	The price for selling commodities in the market.
<b>Z03</b>	Average	Average, i.e. the average price in the market.

## 2.8 Process type code

Code	Name	Description
<b>Z01</b>	Frequency controlled reserves market	Processes related to the Frequency controlled reserves market, Primary reserves market
<b>Z02</b>	LFC market	Processes related to the Load Frequency Control market, Secondary reserves market
<b>Z03</b>	Balance regulation market	Processes related to the Balance regulation market, Tertiary reserves market
<b>Z04</b>		<b>Deprecated</b> (Use <b>A58</b> Reserve option market)
<b>Z05</b>		<b>Deprecated</b> (Use <b>A59</b> Internal trade reporting instead)
<b>Z06</b>	Total trade	The trade balance of a party at a given time
<b>Z07</b>	Master data	<b>Deprecated</b> (use “A55 Exchange of master data” instead)
<b>Z08</b>	Common Grid Model (CGM) process	Process related to exchange of the common grid model
<b>Z09</b>	Coordinated Security Assessment (CSA) process	Process related to exchange of the coordinated power system security assessment
<b>Z10</b>	Outage Planning Coordination process	Process related to exchange of plans for outage coordination
<b>Z11</b>	Short and Medium Term Adequacy Assessment (SMTA)	Process related to exchange of the short- and medium-term adequacy assessment
<b>Z12</b>	ACE OL real-time	The process of exchanging real-time ACE OL values
<b>Z13</b>	Corrected real time values	Reporting of real time values after validation and correction.
<b>Z14</b>	Fast Frequency Reserve (FFR) Process	The process of exchanging information regarding the Fast Frequency Reserve (FFR).
<b>Z15</b>	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		<b>Deprecated</b>
Z12		<b>Deprecated</b>
Z13		<b>Deprecated</b>
Z15		<b>Deprecated</b>
Z16		<b>Deprecated</b>
Z17		<b>Deprecated</b>
Z18		<b>Deprecated</b> (use “B17 Price based on preliminary exchange rate” instead)
Z19		<b>Deprecated</b>
Z20	Frequency regulation	The information provided regards a regulation for frequency purpose
Z21	System regulation	The information provided regards a regulation for system purpose

Code	Name	Description
<b>Z22</b>	Supportive power	The object relates to Supportive power
<b>Z23</b>	Special Regulation	The object relates to Special Regulation
<b>Z24</b>	Quarterly adjustments	The object relates to Quarterly adjustments
<b>Z25</b>	Ordinary regulation	The object relates to Ordinary regulation
<b>Z26</b>	Transit triangle	The object relates to Transit triangle
<b>Z27</b>	Transit redispatch	The object relates to Transit redispatch
<b>Z28</b>	Transit SB Loop Long	The object relates to Transit Storebælt Loop Long
<b>Z29</b>	FCR	Frequency Containment Reserve (FCR) is an automatic and momentarily regulation, to adjust the physical balance in the power system.
<b>Z30</b>	aFRR	Frequency Restoration Reserve - Automatic (aFRR) is an automatic reserve, activated continuously by the frequency
<b>Z31</b>	mFRR, Balancing Power	Frequency Restoration Reserve - Manual activated reserves (mFRR), Balancing Power
<b>Z32</b>	mFRR, Countertrades	Frequency Restoration Reserve - Manual activated reserves (mFRR), Countertrades when TSO need to maintain (replace) transfer capacity
<b>Z33</b>	mFRR, Peak Load Reserve Regulation	Frequency Restoration Reserve - Manual activated reserves (mFRR), Peak Load Reserve Regulation when no commercial bids are available for balancing.
<b>Z34</b>	mFRR, Quarter regulation	Frequency Restoration Reserve - Manual activated reserves (mFRR), Quarter regulation when TSO need transfer of production (usually start 15 min earlier).
<b>Z35</b>	mFRR, Special Regulation	Frequency Restoration Reserve - Manual activated reserves (mFRR), Special Regulation where the price is payed as bid and not archive price.
<b>Z36</b>	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
<b>Z37</b>	Power Transaction	Fixed price transaction used for specific purposes outside of ordinary regulation
<b>Z38</b>	TSO Internal Countertrades	The time series concern TSO Internal Countertrades

Code	Name	Description
<b>Z39</b>	Day Ahead Production Adjustment	Energy (production) moved from one hour to another to avoid major changes between hours
<b>Z40</b>	FCR-N	Frequency Containment Reserve, Normal operation (FCR-N)
<b>Z41</b>	FCR-D	Frequency Containment Reserve, Disturbance (FCR-D)
<b>Z42</b>	FCR – N, late	Frequency Containment Reserve, Normal operation, late
<b>Z43</b>	FCR – N, early	Frequency Containment Reserve, Normal operation, early
<b>Z44</b>	FCR – N, late correction	Frequency Containment Reserve, Normal operation, late correction
<b>Z45</b>	FCR – N, early correction	Frequency Containment Reserve, Normal operation, early correction
<b>Z46</b>	FCR – D, late	Frequency Containment Reserve, Disturbance, late
<b>Z47</b>	FCR – D, early	Frequency Containment Reserve, Disturbance, early
<b>Z48</b>	FCR – D, late correction	Frequency Containment Reserve, Disturbance, late correction
<b>Z49</b>	FCR – D, early correction	Frequency Containment Reserve, Disturbance, early correction
<b>Z50</b>	Special	The object relates to Supportive power special
<b>Z51</b>	Disturbance	The object relates to Supportive power disturbance
<b>Z52</b>	Transit SB Loop Short	The object relates to Transit Storebælt Loop Short
<b>Z53</b>	mFRR, System Regulation	Frequency Restoration Reserve - Manual activated reserves (mFRR), System Regulation where regulation does not affect the regulation price.
<b>Z54</b>	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.
<b>Z55</b>	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.
<b>Z56</b>	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.
<b>Z57</b>	Auction Run ID	Unique identification of a given auction.



Code	Name	Description
<b>Z58</b>	Scheduled activation	A time series concerning scheduled activation
<b>Z59</b>	Direct activation	A time series concerning direct activation
<b>Z60</b>	Faster activation	A time series concerning faster activation. Bids that can support a Full Activation Time (FAT) that is faster than 12,5 minutes
<b>Z61</b>	Faster deactivation	A time series concerning early deactivation
<b>Z62</b>	Slower activation	A time series concerning slower activation. Bids that can support a Full Activation Time (FAT) that is slower than 12,5 minutes.
<b>Z63</b>	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.
<b>Z64</b>	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.
<b>Z65</b>	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.
<b>Z66</b>	Adjusted	The information in question is adjusted or a result of an adjustment.
<b>Z67</b>	Override	The information in question is overridden or a result of an override of data.
<b>Z68</b>	Emergency	There is a need for emergency assistance using agreed product.
<b>Z69</b>	Shadow Auction	The flow is related to shadow auction trade.
<b>Z70</b>	Cancel	Cancellation of one or more observation(s) or operation(s).
<b>Z71</b>	Midnight	Capacity change at midnight,
<b>Z72</b>	Outage	Planned outage.
<b>Z73</b>	System Operator	Manually created by System Operator.
<b>Z74</b>	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.

Code	Name	Description
<b>Z75</b>	aFRR correction	Correction of Automatic Frequency Restoration Reserve (aFRR).
<b>Z76</b>	mFRR correction	Correction of Manual Frequency Restoration Reserve (mFRR).
<b>Z77</b>		<b>Deprecated</b> (Use <b>Z54</b> , <i>Activation by AOF</i> instead)
<b>Z78</b>		<b>Deprecated</b> (Use <b>Z55</b> , <i>Manual activation not based on AOF</i> instead)
<b>Z79</b>	AOF cannot satisfy the demand with available bids	The <a href="#">Activation Optimisation Function</a> (AOF) cannot satisfy the demand with available bids.
<b>Z80</b>	Rejected by BSP	Activations are rejected by the Balancing Service Provider (BSP).
<b>Z81</b>	BSP is unavailable	The Balancing Service Provider (BSP) is unavailable (timeout).
<b>Z82</b>	Scheduled activation bids already chosen for direct activation	Bids selected by scheduled activation is already chosen for direct activation.
<b>Z83</b>	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.
<b>Z84</b>	Activation of own resources	The activation relates to the responsible party’s own resource(s), such as the BSPs own BRP. No compensation applies.
<b>Z85</b>	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.
<b>Z86</b>	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.
<b>Z87</b>	Transit Fennoskan - FS Loop	The object relates to Transit Fennoskan - FS Loop
<b>Z88</b>	Transit DC loop Poland - PL Loop	The object relates to Transit DC loop Poland - PL Loop
<b>Z89</b>	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

Code	Name	Description
		certain scenarios where there are not enough bids to meet the demand that exists.
<b>Z90</b>	Fallback	A fallback procedure has been used
<b>Z91</b>	Requesting assistance	The sender of the document is requesting assistance
<b>Z92</b>	Providing assistance	The sender of the document is providing assistance
<b>Z93</b>	mFRR-D correction	Correction of Manual Frequency Restoration Reserve disturbance (mFRR-D).
<b>Z94</b>	Transit Sydvästlänken – SE4-SE3	The object relates to Loop SE4 - SE3 (Sydvästlänken)
<b>Z95</b>	Time gate	A point in time relative to an operating day
<b>Z96</b>	Rejected by operator	The result has been rejected by the operator
<b>Z97</b>	Mitigate polarity reversals	Mitigating of polarity reversals due to frequently change of electricity flow direction.
<b>Z98</b>	Static reserve	The market reserve type is static. A more specific definition depends on the market in question.
<b>Z99</b>	Dynamic reserve	The market reserve type is dynamic. A more specific definition depends on the market in question.
<b>ZA1</b>	Reference Incident	A reference to the incident that is used as a basis for calculating the needed reserves.
<b>ZA2</b>	Normal Imbalances	The normally expected imbalances used for calculating needed reserves.
<b>ZA3</b>	Non-standard products	A product that is neither standard nor specific.
<b>ZA4</b>	Other	Any other reason.
<b>ZA5</b>	Additional/detailed ResourceId	Used when high granularity is needed in special occasions.

2.10 Role code

Code	Name	Description
<b>Z05</b>		<b>Deprecated</b> (Use <b>A47</b> , <i>Energy Trader</i> instead)
<b>Z06</b>	Regional Security Coordinator	A party that coordinates regional network security issues

### 2.11 Quality type code

Code	Name	Description
<b>Z01</b>	Calculated	The contents of the object are calculated.

**2.12 Status type code**

<b>Code</b>	<b>Name</b>	<b>Description</b>
<b>Z01</b>	Warning	The system has experienced a problem rated as “Warning”.
<b>Z02</b>	Emergency	The system has experienced a problem rated as “Emergency”.
<b>Z03</b>	Normal	The system has recovered and are back to “Normal”.
<b>Z04</b>	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
<b>Z01</b>	Hourly bid	The details contains hourly bid
<b>Z02</b>	Block bid	The details contains block bid
<b>Z03</b>	Flexible hourly bid	The details contains flexible hourly bid
<b>Z04</b>	Profile block bid	The details contains profile block bid

### 3.2 Type of Area code

Code	Name	Description
<b>Z01</b>	Bidding Zone (BZ)	<p>The largest geographical area within which market participants are able to exchange energy without capacity allocation.</p> <p>Source: <a href="#">Commission Regulation (EU) 543/2013</a>.</p>
<b>Z02</b>	Metering Grid Area (MGA)	<p>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.</p>



### 3.3 Production type code

Code	Name	Description
<b>Z01</b>	Normal	A code indicating that the size of the production unit is normal
<b>Z02</b>	Minor	A code indicating that the size of the production unit is minor

### 3.4 Production Unit Type code

Code	Name	Description
<b>Z01</b>	Nuclear	A Production Unit based on Nuclear power
<b>Z02</b>	Hydro	A Production Unit based on Hydro power
<b>Z03</b>	Thermal	A Production Unit based on Thermal power
<b>Z04</b>	Solar	A Production Unit based on Solar power
<b>Z05</b>	Wind	A Production Unit based on Wind power

**3.5 MGA Type code**

<b>Code</b>	<b>Name</b>	<b>Description</b>
<b>Z01</b>	Regional	The MGA represent a regional grid
<b>Z02</b>	Only losses	<b>Deprecated</b>
<b>Z03</b>	Industrial	The MGA represent an industrial grid
<b>Z04</b>	Distribution	The MGA represent a distribution grid
<b>Z05</b>	Non-concessional	The MGA represent a non-concessional grid
<b>Z06</b>	Production	The MGA represent the production in a grid
<b>Z07</b>	Transmission (main/central grid)	The MGA represent a transmission (main/central grid)
<b>Z99</b>	Sub-Grid Area	The MGA represent a sub-grid 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
<b>Z01</b>	Flex settled	<b>Deprecated</b> (Use “ <b>E15</b> Flex settled” instead)