

Bid Convertor – User Guide

Electronic Capacity Allocation Tool – eCAT

Release October 2015

Property of ALSTOM GRID				
Alstom Grid 2015	Bid Convertor – User Guide v01	Rev A	23/10/15	1/12

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1 Introduction: Objective of the document

As some users (Traders using JAO system) does not have a possibility to use tools allowing to generate Bid documents in ECAN format and are used to use an Excel sheet for definition of bids, a special tool called "Bid Convertor" is provided to convert bids from Excel into a format of ECAN Bid document which is accepted by JAO Auction system.

2 Structure of the Delivery package

- Root folder
 - o User Guide document
- Examples folder
 - o Instances of templates for different Time Horizons and days
- Templates
 - o Two major excel documents to be used by users. One for Short term auctions, second for Long term auctions

3 How to use the Bid Convertor

The Bid Convertor requires two sets of inputs. The first one is a correct file name and the second correct inputs in cells of the excel sheet.

Please be aware that the convertor user excel Macros. When you open the document, you may be informed (in the horizontal stripe above excel cells) that macros were blocked for security reasons. In this case please click to button "Enable content". If macros would be disabled, the convertor will not work correctly.

3.1 File Name structure

The following example will be used for description of the filename

BID_ST_CEEXD-D-DAILYPRODU---150301-01_12XEGL-H-----0_1.xlsm

- *BID_ST_ / BID_LT* are constant pre-fixes used by the convertor to distinguish if the bidding is planned into a short term (Daily) or Long term (Yearly, Quarterly, Monthly, Weekly) auctions. User shall use a correct template (for Short term or Long term) and this prefix shall not be manually updated
- Character "_" as a separator
- *CEEXD-D-DAILYPRODU---150301-01* is an identification of auction in the JAO auction system. This one can be obtained on websites of Auction system dedicated for Traders. The structure is fixed for given border (CEE joint auctions use CEEXD-D-DAILYPRODU--- for daily auctions). Only date of the Delivery period (i.e. Market period) start is changing.
- Character "_" as a separator
- *12XEGL-H-----0* is an example of Trader identification. It shall be a valid EIC code.
- Character "_" as a separator

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- 1 is a number on the last position of the file name defining the version of Bid document that Trader is going to submit. In case last submission should be rewritten, this version shall be increased by one.

TIP: We would recommend to do an instance (a new copy of template for specific date) for each planned submission of bids. Once the base of filename is set, only date will be changed. This approach will also help to keep a track about historical bid submissions.

The list for few first daily joint CEE auctions in early 2016 could look like on picture below.

↑ Name	Ext	Size
[.]	<DIR>	
BID_ST_CEEEXD-D-DAILYPRODU---160101-01_12XEGL-H-----0_1	xlsm	54 432
BID_ST_CEEEXD-D-DAILYPRODU---160102-01_12XEGL-H-----0_1	xlsm	54 432
BID_ST_CEEEXD-D-DAILYPRODU---160102-01_12XEGL-H-----0_2	xlsm	54 432
BID_ST_CEEEXD-D-DAILYPRODU---160102-01_12XEGL-H-----0_3	xlsm	54 432
BID_ST_CEEEXD-D-DAILYPRODU---160103-01_12XEGL-H-----0_1	xlsm	54 432
BID_ST_CEEEXD-D-DAILYPRODU---160104-01_12XEGL-H-----0_1	xlsm	54 432

Figure 1 - Instances of templates for different daily auctions

3.2 Excel template for Short term auctions

3.2.1 Hours / Positions

To support the usability for Traders, based on the Auction Identification (to be more precise, based on the date within the identification) the convertor pre-generate number of positions that needs to be submitted, i.e. 24 / 23 or 25 hours.

Pre-generated hours are hours of Business day in CET/CEST time zone (they are converted to UTC in the ECAN Bid Document).

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	A	B	C	D	E
1	Generate Bid XML file		Excel Bidding Tool version 0.7		
2		BID00001-CEEXD		BID00002-CEEXD	
3	Time Interval	Bid qty (MW)	Bid price (EUR/MWh)	Bid qty (MW)	Bid price (EUR/MWh)
4	OutArea / InArea	AAA	BBB	AAA	CCC
5	00:00-01:00	1	1.01	1	1
6	01:00-02:00	2	1.02	2	1.02
7	02:00-03:00	3	1.03	3	1.03
8	03:00-04:00	4	1.04	4	1.04
9	04:00-05:00	5	1.05	5	1.05
10	05:00-06:00	6	1.06	6	1.06
11	06:00-07:00	7	1.07	7	1
12	07:00-08:00	8	1.08	8.5	1.08
13	08:00-09:00	9	1.09	9	1.09
14	09:00-10:00	10	1.1	10	1.1
15	10:00-11:00	11	1.11	11	1.11
16	11:00-12:00	12	1.12	12	1.12
17	12:00-13:00	13	1.13	13	1.13
18	13:00-14:00	14	1.14	14	1.14
19	14:00-15:00	15	1.15	15	1.15
20	15:00-16:00	16	1.16	16	1.16
21	16:00-17:00	17	1.17	17	1.17
22	17:00-18:00	18	1.18	18	1.18
23	18:00-19:00	19	1.19	19	1.19
24	19:00-20:00	20	1.2	20	1.2
25	20:00-21:00	21	1.21	21	1.21
26	21:00-22:00	22	1.22	22	1.22
27	22:00-23:00	23	1.23	23	1.23
28	23:00-24:00	24	1.24	24	1.24

Figure 2- Column with hours is automatically generated based on date in file name

3.2.2 BID IDs

For correct generation of ECAN Bid document and later successful acceptance of the file in JAO Auction system. Correct IDs of bids are required. These IDs have to be manually written into columns as depicted on the screenshot below.

The structure is explained on following example:

BID00005-CEEXD

- *BID* is a stable prefix that shall not be updated
- *00002* is a number of a bid that shall be increased with each new bid to remain unique for given Allocation border (it means that it is possible to start with number 1 for another Allocation border again)
- Separator "-"
- *CEEXD* is temporary code that **shall be replaced** by the user according to oriented allocation border for which Bids are going to be submitted. Please find the **list of codes related to CEE region in Annex**.

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	A	B	C	D	E	F	G	H	I	J	K	L
1	Generate Bid XML file		Excel Bidding Tool version 0.7									
2		BID00001-CEEED		BID00002-CEEED								
3	Time Interval	Bid qty (MW)	Bid price (EUR/MWh)	Bid qty (MW)	Bid price (EUR/MWh)							
4	OutArea / InArea	AAA	BBB	AAA	CCC							
5	00:00-01:00	1	1.01	1	1							
6	01:00-02:00	2	1.02	2	1.02							
7	02:00-03:00	3	1.03	3	1.03							
8	03:00-04:00	4	1.04	4	1.04							
9	04:00-05:00	5	1.05	5	1.05							
10	05:00-06:00	6	1.06	6	1.06							
11	06:00-07:00	7	1.07	7	1							
12	07:00-08:00	8	1.08	8,5	1.08							
13	08:00-09:00	9	1.09	9	1.09							
14	09:00-10:00	10	1.1	10	1.1							
15	10:00-11:00	11	1.11	11	1.11							
16	11:00-12:00	12	1.12	12	1.12							
17	12:00-13:00	13	1.13	13	1.13							
18	13:00-14:00	14	1.14	14	1.14							
19	14:00-15:00	15	1.15	15	1.15							
20	15:00-16:00	16	1.16	16	1.16							
21	16:00-17:00	17	1.17	17	1.17							
22	17:00-18:00	18	1.18	18	1.18							
23	18:00-19:00	19	1.19	19	1.19							
24	19:00-20:00	20	1.2	20	1.2							
25	20:00-21:00	21	1.21	21	1.21							
26	21:00-22:00	22	1.22	22	1.22							
27	22:00-23:00	23	1.23	23	1.23							
28	23:00-24:00	24	1.24	24	1.24							
29												
30												

Figure 3 – Bid IDs need to be unique and present for each pair of Qty and Price

3.2.3 Out Area / In Area

Another needed input information is a unique identification of oriented border for which the bidding should be done. Therefore EIC codes of Out Area (from which area energy flows) and In Area (into which area energy flows) are required. Please find the list of EIC codes in Annex (provides EIC codes related to CEE region, however also other EIC codes of areas may be used by Bid Convertor)

Out Area is always placed in a column for bid Quantity. Related In Area is placed in a column for bid Price as depicted on the picture below.

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	A	B	C	D	E	F
1	Generate Bid XML file		Excel Bidding Tool version 0.7			
2		BID00001-CEEXD		BID00002-CEEXD		
3	Time Interval	Bid qty (MW)	Bid price (EUR/MWh)	Bid qty (MW)	Bid price (EUR/MWh)	
4	OutArea / InArea	AAA	BBB	AAA	CCC	
5	00:00-01:00	1	1.01	1	1	
6	01:00-02:00	2	1.02	2	1.02	
7	02:00-03:00	3	1.03	3	1.03	
8	03:00-04:00	4	1.04	4	1.04	
9	04:00-05:00	5	1.05	5	1.05	
10	05:00-06:00	6	1.06	6	1.06	
11	06:00-07:00	7	1.07	7	1	
12	07:00-08:00	8	1.08	8.5	1.08	
13	08:00-09:00	9	1.09	9	1.09	
14	09:00-10:00	10	1.1	10	1.1	
15	10:00-11:00	11	1.11	11	1.11	
16	11:00-12:00	12	1.12	12	1.12	
17	12:00-13:00	13	1.13	13	1.13	
18	13:00-14:00	14	1.14	14	1.14	
19	14:00-15:00	15	1.15	15	1.15	
20	15:00-16:00	16	1.16	16	1.16	
21	16:00-17:00	17	1.17	17	1.17	
22	17:00-18:00	18	1.18	18	1.18	
23	18:00-19:00	19	1.19	19	1.19	
24	19:00-20:00	20	1.2	20	1.2	
25	20:00-21:00	21	1.21	21	1.21	
26	21:00-22:00	22	1.22	22	1.22	
27	22:00-23:00	23	1.23	23	1.23	
28	23:00-24:00	24	1.24	24	1.24	
29						

Figure 4 - Pairs of Out and In Areas

3.2.4 Quantities

Columns for quantities have headers **Bid qty (MW)**. User can copy this column in pairs (together with **Bid price (EUR/MWh)**) and create space for definition of new bids by this action.

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	A	B	C	D	E	F
1	Generate Bid XML file		Excel Bidding Tool version 0.7			
2		BID00001-CEEXD		BID00002-CEEXD		
3	Time Interval	Bid qty (MW)	Bid price (EUR/MWh)	Bid qty (MW)	Bid price (EUR/MWh)	
4	OutArea / InArea	AAA	BBB	AAA	CCC	
5	00:00-01:00	1	1.01	1	1.01	
6	01:00-02:00	2	1.02	2	1.02	
7	02:00-03:00	3	1.03	3	1.03	
8	03:00-04:00	4	1.04	4	1.04	
9	04:00-05:00	5	1.05	5	1.05	
10	05:00-06:00	6	1.06	6	1.06	
11	06:00-07:00	7	1.07	7	1.07	
12	07:00-08:00	8	1.08	8.5	1.08	
13	08:00-09:00	9	1.09	9	1.09	
14	09:00-10:00	10	1.1	10	1.1	
15	10:00-11:00	11	1.11	11	1.11	
16	11:00-12:00	12	1.12	12	1.12	
17	12:00-13:00	13	1.13	13	1.13	
18	13:00-14:00	14	1.14	14	1.14	
19	14:00-15:00	15	1.15	15	1.15	
20	15:00-16:00	16	1.16	16	1.16	
21	16:00-17:00	17	1.17	17	1.17	
22	17:00-18:00	18	1.18	18	1.18	
23	18:00-19:00	19	1.19	19	1.19	
24	19:00-20:00	20	1.2	20	1.2	
25	20:00-21:00	21	1.21	21	1.21	
26	21:00-22:00	22	1.22	22	1.22	
27	22:00-23:00	23	1.23	23	1.23	
28	23:00-24:00	24	1.24	24	1.24	
29						
30						

Figure 5 - Columns for Qty may be copied together with columns for Price

Note: Despite it is allowed to put decimal places, be aware that such values would be later rejected by JAO Auction system. Use only non-decimal numbers in quantities.

3.2.5 Prices

Columns for quantities have headers **Bid price (EUR/MWh)**. User can copy this column in pairs (together with **Bid qty (MW)**) and create space for definition of new bids by this action.

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	A	B	C	D	E	F
1	Generate Bid XML file		Excel Bidding Tool version 0.7			
2		BID00001-CEEXD		BID00002-CEEXD		
3	Time Interval	Bid qty (MW)	Bid price (EUR/MWh)	Bid qty (MW)	Bid price (EUR/MWh)	
4	OutArea / InArea	AAA	BBB	AAA	CCC	
5	00:00-01:00	1	1.01	1	1	
6	01:00-02:00	2	1.02	2	1.02	
7	02:00-03:00	3	1.03	3	1.03	
8	03:00-04:00	4	1.04	4	1.04	
9	04:00-05:00	5	1.05	5	1.05	
10	05:00-06:00	6	1.06	6	1.06	
11	06:00-07:00	7	1.07	7	1	
12	07:00-08:00	8	1.08	8.5	1.08	
13	08:00-09:00	9	1.09	9	1.09	
14	09:00-10:00	10	1.1	10	1.1	
15	10:00-11:00	11	1.11	11	1.11	
16	11:00-12:00	12	1.12	12	1.12	
17	12:00-13:00	13	1.13	13	1.13	
18	13:00-14:00	14	1.14	14	1.14	
19	14:00-15:00	15	1.15	15	1.15	
20	15:00-16:00	16	1.16	16	1.16	
21	16:00-17:00	17	1.17	17	1.17	
22	17:00-18:00	18	1.18	18	1.18	
23	18:00-19:00	19	1.19	19	1.19	
24	19:00-20:00	20	1.2	20	1.2	
25	20:00-21:00	21	1.21	21	1.21	
26	21:00-22:00	22	1.22	22	1.22	
27	22:00-23:00	23	1.23	23	1.23	
28	23:00-24:00	24	1.24	24	1.24	
29						
30						

Figure 6 - Columns for Price may be copied together with columns for Qty

Note: It is not allowed to use commas “,” for values with decimal numbers. This is checked once the button “Generate Bid XML file” is pressed and if the validation fails, user is informed that dots “.” shall be used. The restriction is presented as in some countries commas are used for separation of thousands.

3.2.6 Generate Bid XML file button

Once the file name has been correctly set and all inputs of excels are ready, the user press the button in the left corner of the excel sheet. The Bid Converter will suggest the user a filename that is already valid and normally shall not be changed (to remind, versions are handled in last position of the template file name).

User should select a directory for the storage of the generated XML file and may want to check a content of the generated XML file. However the file is already in ECAN Bid Document format (XML) and ready for submission into JAO Auction system.

3.3 Excel template for Long term auctions

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The template for Long-term auctions is based on the very same principle. The largest difference is the fact that new bids are not in new pairs of columns (horizontally), but vertically. New bids are inserted into new rows.

	A	B	C	D	E
1	Generate Bid XML file		Excel Bidding Tool version 0.7		
2	Bid ID	Out Area	In Area	Bid qty (MW)	Bid price (EUR/MWh)
3	BID00001-AA-BB	AAA	BBB	1056	1.23
4	BID00002-AA-BB	BBB	CCC	532	1.3
5	BID00003-AA-BB	CCC	AAA	1070.5	2
6					
7					
8					
9					
10					
11					
12					

Figure 7 - Bids for Long term auctions are placed in rows

3.3.1 Hours / Positions

Hours are not present in this template because bids for Long-term auctions are valid for the whole Capacity product used in auction (e.g. base).

3.3.2 BID IDs

IDs of bids are inserted into new rows. Their format is the very same as already described in a template for Short term auctions.

3.3.3 Out Area / In Area

Out and In Areas are inserted into new rows. Fields already described in a template for Short term auctions.

3.3.4 Quantities / Prices

Quantities and Prices are inserted into new rows. Columns **Bid qty (MW)** and **Bid price (EUR/MWh)** are fixed and they are not supposed to be moved or copied.

3.3.5 Generate Bid XML file button

Already described in the template for Short term auctions.

4 Officially supported combinations of software

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The Bid Convertor may work also with other combinations. However find the list of officially supported below:

OS	Excel version	Language
Windows Vista x64	Excel 2007 x86	English
Windows Vista x64	Excel 2007 x86	French
Windows Vista x64	Excel 2007 x86	German
Windows Vista x64	Excel 2007 x86	Czech
Windows 7 x64	Excel 2010 x86	English
Windows 7 x64	Excel 2010 x86	French
Windows 7 x64	Excel 2010 x86	German
Windows 7 x64	Excel 2010 x86	Czech
Windows 8.1 x64	Excel 2013 x86	English
Windows 8.1 x64	Excel 2013 x86	French
Windows 8.1 x64	Excel 2013 x86	German
Windows 8.1 x64	Excel 2013 x86	Czech

5 Annexes

5.1 EIC codes of areas related to CEE region

Area Name	EIC Code
CEPS_CONTROL_AREA (Czech Republic)	10YCZ-CEPS-----N
PSEO_CONTROL_AREA (Poland)	10YPL-AREA-----S
MAVIR_CONTROL_AREA (Hungary)	10YHU-MAVIR----U
SEPS_CONTROL_AREA (Slovakia)	10YSK-SEPS-----K
HOPS_CONTROL_AREA (Croatia)	10YHR-HEP-----M
50HZT_CONTROL_AREA (Germany, 50Hz)	10YDE-VE-----2
TENNETDE_CONTROL_AREA (Germany, TenneT)	10YDE-EON-----1
APG_CONTROL_AREA (Austria)	10YAT-APG-----L
ELES_CONTROL_AREA (Slovenia)	10YSI-ELES-----O

5.2 Shortcuts for Bid IDs

Corridor Name	Description	Code used in Bid ID
AT – CZ	from Austria to Czech Republic	AT-CZ

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CZ – AT	from Czech Republic to Austria	CZ-AT
AT – HU	from Austria to Hungary	AT-CZ
HU – AT	from Hungary to Austria	HU-AT
CZ – DE (50Hz)	from Czech Republic to Germany 50Hz	CZ-DE(50Hz)
DE(50Hz) – CZ	from Germany 50Hz to Czech Republic	DE(50Hz)-CZ
CZ – DE (TenneT)	from Czech Republic to Germany TenneT	CZ-DE(TenneT)
DE(TenneT) – CZ	from Germany TenneT to Czech Republic	DE(TenneT)-CZ
PL - DE(50Hz)	from Poland to Germany 50Hz	PL-DE(50Hz)
DE(50Hz) – PL	from Germany 50Hz to Poland	DE(50Hz)-PL
CZ – PL	from Czech Republic to Poland	CZ-PL
PL – CZ	from Poland to Czech Republic	PL-CZ
HR – HU	From Croatia to Hungary	HR-HU
HU – HR	From Hungary to Croatia	HU-HR
SK – HU	From Slovakia to Hungary	SK-HU
HU – SK	From Hungary to Slovakia	HU-SK
SK – PL	from Slovakia to Poland	SK-PL
PL – SK	from Poland to Slovakia	PL-SK
SI – AT	from Slovenia to Austria	SI-AT
AT – SI	from Austria to Slovenia	AT-SI
SI – HR	from Slovenia to Croatia	SI-HR
HR – SI	from Croatia to Slovenia	HR-SI

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